

ภาคผนวก ข-39

การประเมินความเสี่ยงอุบัติเหตุที่อาจเกิดขึ้นจากภัยธรรมชาติ
ที่อยู่เหนือความคาดหมาย

| Item | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | Things/Man/Being to be endangered | In which way/how the hazards would take place | Updated Date | Likelihood's criteria Item A | | | | | | | | | | A Score | Likelihood of Occurrence | Severity of Harm | Consequence to Health | Consequence to Other Equipment | Previous Legal Requirements | Previous Legal Requirements | Score of Significance | Significance Level | Remark |
|------|---------------------------|---------------------------------------|----------------------|-----------------------------------|---|--------------|------------------------------|---|---|---|---|---|---|---|---|-------|---------|--------------------------|------------------|-----------------------|--------------------------------|-----------------------------|-----------------------------|-----------------------|--------------------|--------|
| | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | | | | | |
| | | | | | | | A | B | C | D | E | F | G | H | I | J | | | | | | | | | | |
| | | | 26. Ye Less O2 | Operator | Measure O2 wrong procedure | 9/26/2022 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 32.76 | 1 | 3 | 1 | 0 | 0 | 0 | 3 | L | | |
| | | 26. Cooling basin mud | | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 84.84 | 3 | 3 | 0 | 0 | 0 | 0 | 9 | M | | |
| | | 26.1a Dewatering | | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 52.76 | 1 | 3 | 0 | 0 | 0 | 0 | 3 | L | | |
| | | 27. Clean dewater | | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 24.87 | 1 | 3 | 0 | 0 | 0 | 0 | 3 | L | | |
| | | 27.1a Dewatering | | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 58.92 | 1 | 3 | 0 | 0 | 0 | 0 | 3 | L | | |
| | | 27.1b Dewatering | | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 85.44 | 3 | 3 | 1 | 0 | 0 | 0 | 9 | M | | |
| | | 27.2 Fall down | | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 50.62 | 1 | 3 | 1 | 0 | 0 | 0 | 3 | L | | |
| | | 27.2a Fall down | | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 50.62 | 1 | 3 | 1 | 0 | 0 | 0 | 3 | L | | |
| | | 28. Clean East Water's water pit | Fall down | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 67.96 | 2 | 2 | 0 | 0 | 0 | 4 | M | | | |
| | | 29 | Slip | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 64.26 | 2 | 1 | 0 | 0 | 0 | 2 | VL | | | |
| | | 29.1a Hot chemical liquid | | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 62.68 | 2 | 3 | 0 | 0 | 0 | 6 | M | | | |
| | | 29.1b Hot chemical liquid | | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 53.08 | 1 | 3 | 0 | 0 | 0 | 3 | L | | | |
| | | 29.2 Breath chemical | Operator / colleague | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 60.87 | 2 | 1 | 0 | 0 | 0 | 2 | VL | | | |
| | | 29.3 Contact chemical | Operator | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 70.37 | 2 | 2 | 0 | 0 | 0 | 8 | M | | | |
| | | 29.4a Electric shock | | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 67.96 | 2 | 3 | 0 | 0 | 0 | 6 | M | | | |
| | | 29.4b Electric shock | | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 53.08 | 1 | 3 | 0 | 0 | 0 | 3 | L | | | |
| | | 29.5 Fall down | | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 75.51 | 2 | 2 | 0 | 0 | 0 | 4 | M | | | |
| | | 30. Test fire hose | Fire hose pump | Operator / colleague | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 70.37 | 2 | 2 | 0 | 0 | 0 | 6 | M | | | |
| | | 31. Operate Chiller | Heat | Operator | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 83.94 | 3 | 1 | 0 | 0 | 0 | 3 | L | | | |
| | | 32. Over of loading (SAP DSD) | Chemical | Operator/colleague | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 50.62 | 1 | 1 | 0 | 0 | 0 | 1 | VL | | | |
| | | 33. Over of loading (SAP DSD) | 32.1a Fire | Operator/colleague | Measure wrong work instruction (Don't walk on the pond) | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 86.14 | 3 | 3 | 0 | 0 | 0 | 6 | M | | | |

| [IV] | | [II] | [III] | [IV] | [V] | [VI] | Risk Analysis Form | | | | | | | | | | [VII] | Likelihood's criteria Item A | | | | | | | | | | [VIII] | [IX] | [X] | [XI] | [XII] | [XIII] | [XIV] | [XV] | [XVI] | [XVII] | [XVIII] | [XIX] | [XX] | [XXI] | [XXII] | [XXIII] | [XXIV] | [XXV] | [XXVI] | [XXVII] | [XXVIII] | [XXIX] | [XXX] | [XXXI] | [XXXII] | [XXXIII] | [XXXIV] | [XXXV] | [XXXVI] | [XXXVII] | [XXXVIII] | [XXXIX] | [XL] | [XLI] | [XLII] | [XLIII] | [XLIV] | [XLV] | [XLVI] | [XLVII] | [XLVIII] | [XLIX] | [L] | [LI] | [LII] | [LIII] | [LIV] | [LV] | [LVI] | [LVII] | [LVIII] | [LIX] | [LX] | [LXI] | [LXII] | [LXIII] | [LXIV] | [LXV] | [LXVI] | [LXVII] | [LXVIII] | [LXIX] | [LXX] | [LXXI] | [LXXII] | [LXXIII] | [LXXIV] | [LXXV] | [LXXVI] | [LXXVII] | [LXXVIII] | [LXXIX] | [LXXX] | [LXXXI] | [LXXXII] | [LXXXIII] | [LXXXIV] | [LXXXV] | [LXXXVI] | [LXXXVII] | [LXXXVIII] | [LXXXIX] | [LXXXX] | [LXXXXI] | [LXXXXII] | [LXXXXIII] | [LXXXXIV] | [LXXXXV] | [LXXXXVI] | [LXXXXVII] | 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|------|--|------|-------|------|-----|------|--------------------|--|--|--|--|--|--|--|--|--|-------|------------------------------|--|--|--|--|--|--|--|--|--|--------|------|-----|------|-------|--------|-------|------|-------|--------|---------|-------|------|-------|--------|---------|--------|-------|--------|---------|----------|--------|-------|--------|---------|----------|---------|--------|---------|----------|-----------|---------|------|-------|--------|---------|--------|-------|--------|---------|----------|--------|-----|------|-------|--------|-------|------|-------|--------|---------|-------|------|-------|--------|---------|--------|-------|--------|---------|----------|--------|-------|--------|---------|----------|---------|--------|---------|----------|-----------|---------|--------|---------|----------|-----------|----------|---------|----------|-----------|------------|----------|---------|----------|-----------|------------|-----------|----------|-----------|------------|-------------|-----------|----------|-----------|------------|-------------|------------|-----------|------------|-------------|--------------|------------|-----------|------------|-------------|--------------|-------------|------------|-------------|--------------|---------------|-------------|------------|-------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|--------------|----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| Item | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | Things/Man/Being to be endangered | In which way/how the hazards would take place | Updated Date | Likelihood's criteria Item A | | | | | | | | | | A Score | Likelihood of Occurrence | Severity of Harm | Consequence to Health | Consequence to Other Equipment | Previous Legal Requirements | Previous Legal Requirements | Score of Significance | Significance Level | Remark |
|------|------------------------------|--|---|---|---|--------------|------------------------------|---|---|---|---|---|---|---|---|-------|---------|-----------------------------|---------------------|--------------------------|-----------------------------------|--------------------------------|--------------------------------|---|--------------------|--------|
| | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | | | | | |
| | | | | | | | A | B | C | D | E | F | G | H | I | J | | | | | | | | | | |
| | | | 32. 1a Fire | Operator/colleague | • Hot work adjacent area • Electric short circuit • Static electric | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 54.52 | 1 | 3 | 0 | 0 | 0 | 3 | L | | | |
| | | 33. Lub oil loading (SAP DSD) | 33.1a Fire | Operator/colleague | • Hot work adjacent area • Electric short circuit • Static electric | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 86.14 | 3 | 3 | 0 | 0 | 0 | 6 | M | | | |
| | | | 33. 1a Fire | Operator/colleague | • Hot work adjacent area • Electric short circuit • Static electric | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 54.52 | 1 | 3 | 0 | 0 | 0 | 3 | L | | | |
| | | 34. Start up and shut down engine | Noise | Operator | • No ear muff | 9/26/2022 | 3 | 1 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | 51.85 | 1 | 1 | 1 | 1 | 0 | 1 | VL | | | |
| | | 35. Log sheet in power house | Noise | Operator | • No ear muff | 9/26/2022 | 3 | 1 | 2 | 0 | 1 | 1 | 1 | 1 | 0 | 48.33 | 1 | 1 | 0 | 0 | 0 | 1 | VL | | | |
| | | 36. Operate hot water valve for chase bird | Hot steam | All staff | • Walk, work when steam spray • Miscommunication between valve operator and worker | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 51.85 | 1 | 3 | 0 | 0 | 0 | 3 | L | | | |
| | | | Noise | Who work on boiler | • No ear muff, ear plug | 9/26/2022 | 3 | 1 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 48.15 | 1 | 1 | 1 | 1 | 0 | 1 | VL | | | |
| | | 37. Load NH4OH | Brush Chemical | Worker | • how best connector | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 44.44 | 1 | 3 | 0 | 0 | 0 | 3 | L | | | |
| | | 38. Operate 11 kV system | Electrical shock | Worker | • Isolate wrong machine, isolate during machine operate | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 43.84 | 1 | 3 | 0 | 0 | 0 | 3 | L | | | |
| | | 39. Inspect fire extinguisher | Fire extinguisher fall down | Worker | • Lift extinguisher incorrect ergonomic | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 58.26 | 2 | 1 | 0 | 0 | 0 | 2 | VL | | | |
| | | 40. mix chemical for cooling water for GEO 5-6 | Brush Chemical | Worker | • Unseal respirator mask | 9/26/2022 | 3 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 37.94 | 1 | 1 | 0 | 0 | 0 | 1 | VL | | | |
| | | | Ergonomic | Worker | • lift chemical pan in wrong method ergonomic | 9/26/2022 | 3 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 37.94 | 1 | 1 | 1 | 1 | 0 | 1 | VL | | | |
| H5 | DHS | 1. Inspect unsafe act and unsafe condition of all activities | Refer all staff's activities | | | | - | - | - | - | - | - | - | - | - | - | | | | | | | | Refer all activities | | |
| | | 2. Introduction training | Refer Secretary and Office Work of Admin. | | | | - | - | - | - | - | - | - | - | - | - | | | | | | | | Refer work with computer of office work | | |
| | | 3. Document work | Refer work with computer of office work | | | | - | - | - | - | - | - | - | - | - | - | | | | | | | | Refer work with computer of office work | | |
| H6 | Service Operation Supervisor | 1. Secondary Work report, analysis, study, plan, communicate, document | Refer office work of admin. | | | | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | |
| | | 2. Operation activity – supervisor, support, advice | Refer all operator activities | | | | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | |
| | | 3. Record material mobility | 3.1a Fire | Operating person | • Fire emergency at customer company | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 43.85 | 1 | 3 | 0 | 0 | 0 | 3 | L | | | |
| | | | 3.1a Fire | Operating person | • Fire emergency at customer company | 9/26/2022 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 37.94 | 1 | 1 | 0 | 0 | 0 | 1 | VL | | | |

| Item | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | Things/Man/Being to be endangered | In which way/how the hazards would take place | Updated Date | Likelihood's criteria Item A | | | | | | | | | | A Score | Likelihood of Occurrence | Severity of Harm | Consequence to Health | Consequence to Other Equipment | Previous Legal Requirements | Previous Legal Requirements |
|------|---------------------------|---------------------------------------|-------------------|--------------------------------------|---|--------------|------------------------------|--|--|--|--|--|--|--|--|--|---------|--------------------------|------------------|-----------------------|--------------------------------|-----------------------------|-----------------------------|
|------|---------------------------|---------------------------------------|-------------------|--------------------------------------|---|--------------|------------------------------|--|--|--|--|--|--|--|--|--|---------|--------------------------|------------------|-----------------------|--------------------------------|-----------------------------|-----------------------------|

GLOW Group
Procedure
Doc No. DGS-00-4071-P041
Hazard Identification and Risk Assessment Procedure

| | | | |
|-----------|--|--------------|---------------|
| File Name | Hazard Identification and Risk Assessment Procedure(HI) - RVD - COO DHS - v310(Final) - 04Oct2014 - Anusarachi.doc | | |
| Owner | Anusarachi | Version No. | v3.1.0(Final) |
| Reviewer | Sunatchai Lou Kanit | Version Date | 04/Oct/2014 |
| Approver | Hekko | Page No. | 2 of 1 |

GLOW Group
Procedure
Doc. No. G03-Q0-4071-P041
Hazard Identification and Risk Assessment Procedure

| | | | |
|-----------|---|--------------|---------------|
| File Name | Hazard Identification and Risk Assessment Procedure(DI) - IND - COO DHS - v310(Final) - 04/Oct/2014 - Anutarachai.doc | | |
| Owner | Anutarachai | Version No | v3.1.0(Final) |
| Reviewer | Sunitchai Loy, Kanil | Version Date | 04/Oct/2014 |
| Approver | Hekki | Page No | 2 of 1 |

| Risk Analysis Form | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------------------------------|--|---|-----------------------------------|--|--|------------------------------|---|---|---|---|---|---|---|-------|-------|---------|--------------------------------------|--|---|-------------------|---------|---|---|
| [1] | [2] | [3] | [4] | [5] | [6] | [7] | Likelihood's criteria Item 6 | | | | | | | | | | A Score | Severity of Consequence to Man/Being | Control Measure According to Applicable Law or Other Regulatory Requirements | Physical Loss or Nonconformance Violation | Significant Level | Remarks | | |
| Item | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | Things/Man/Being to be endangered | In which way/how the hazards would take place | Updated Date | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | A | B | C | | | | | | D | E |
| | | | | | | | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | | | | | | | | | | |
| C5 | Waste transportation | Serve coffee or tea | Hot water | Worker | - Get injury from the hot water when overflow from the cup | 9/29/2022 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 48.67 | 2 | 2 | 0 | 0 | 4 | M | | | |
| | | Transfer non hazardous waste (Filter and insulation rock) to dispose | Contact dust | Man | - Move waste to truck by manpower - Not wear PPE | 9/29/2022 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 41.33 | 1 | 1 | 0 | 0 | 1 | VL | | | |
| | | | Crash truck | Man and access | - Drive careless - Drive fast speed | 9/29/2022 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 53.00 | 1 | 3 | 0 | 0 | 3 | L | | | |
| | | | Crash truck | Man and access | - Drive careless - Drive fast speed | 9/29/2022 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 53.00 | 1 | 3 | 0 | 0 | 3 | L | | | |
| C6 | Waste transportation | Transfer hazardous waste to dispose | Contact hazardous waste | Man | - Package decay - Not wear PPE | 9/29/2022 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 45.66 | 1 | 1 | 0 | 0 | 1 | VL | | | |
| | | | Crash truck | Man and access | - Drive careless - Drive fast speed | 9/29/2022 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 53.00 | 1 | 3 | 0 | 0 | 3 | L | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| C7 | Waste transportation | Transfer non hazardous waste (sludge cake) to dispose | Crash truck | Man and access | - Drive careless - Drive fast speed | 9/29/2022 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 53.00 | 1 | 3 | 0 | 0 | 3 | L | | | |
| | | | Overhead area is not enough | Man | - Due to stand on the tray for move sludge cake overhead area is not enough | 9/29/2022 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 51.85 | 1 | 1 | 0 | 0 | 1 | VL | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| C8 | Waste transportation | Transfer non hazardous waste to dispose | Crash truck | Man and access | - Drive careless - Drive fast speed | 9/29/2022 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 53.00 | 1 | 3 | 0 | 0 | 3 | L | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| C9 | Pest Control | Pest control service | Contact chemical | Man | - Not wear PPE (gloves, cloth) | 9/29/2022 | 2 | 2 | 3 | 1 | 2 | 1 | 1 | 2 | 56.02 | 3 | 1 | 0 | 0 | 2 | VL | | | |
| | | | Breath chemical | Man | - Not wear respirator | 9/29/2022 | 2 | 2 | 3 | 1 | 2 | 1 | 1 | 2 | 56.02 | 3 | 1 | 0 | 0 | 2 | VL | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| C10 | Process Chemical Control (O&M) | Analysis water | Contact chemical | Operator | - Chemical leak while transfer chemical in laboratory room - Bottle glass break while testing effect to contact chemical - Chemical splash while mix chemical with water | 9/29/2022 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 52.86 | 3 | 1 | 0 | 0 | 2 | VL | | | |
| | | | Bottle glass breaking | Operator | - Careless | 9/29/2022 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 50.28 | 2 | 1 | 0 | 0 | 1 | VL | | | |
| | | | Unloading chemical by pump | Contact chemical | Operator | - Chemical leak by bad connecting pipe - Not wear chemical suit | 9/29/2022 | 1 | 1 | 2 | 3 | 1 | 2 | 1 | 1 | 54.32 | 1 | 1 | 0 | 0 | 1 | VL | | |
| | | | Vapor chemical | Operator | - Chemical leak by bad connecting pipe - Not wear mask | 9/29/2022 | 1 | 1 | 2 | 3 | 1 | 2 | 1 | 1 | 54.32 | 1 | 1 | 0 | 0 | 1 | VL | | | |
| C11 | Rotating Equipment's Condition | Monitor vibration response of the registered | Undersized objects e.g. Steens, screws, shims are not checked regularly | Worker, Passerby | - Pump overload - Electrical wire degrade | 9/29/2022 | 1 | 1 | 2 | 3 | 1 | 2 | 1 | 1 | 56.75 | 2 | 1 | 0 | 0 | 2 | VL | | | |
| | | | Unloading chemical by manpower | Contact chemical | Operator | - Chemical may splash while fill up to tank chemical head weight | 9/29/2022 | 1 | 1 | 2 | 3 | 1 | 2 | 1 | 1 | 56.75 | 2 | 1 | 0 | 0 | 2 | VL | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

| [1] | | [2] | [3] | [4] | [5] | [6] | [7] | Likelihood's criteria Item 6 | | | | | | | | | | [8] Score | Likelihood of Severity of Consequence to Man/Being | Control Measure According to Applicable Law or Other Regulatory Requirements | Previous Legal Notifications | Score of Significant | Significant Level | Remark | | | | | | | | | | | | | | | | | | | | | |
|------|---------------------------|--|--|-----------------------------------|--|--------------|--|---|---|---|---|---|---------------------------------------|--|-----------------------------------|--|--|--|--|--|--|--|----------------------------------|--|--|-----------------------------------|--|-----------|--|-----------------------------------|---------------------------|------------------|---|-----------|---|-------|-------|---|-------|---|-------|---|---|---|-------|
| Item | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | Things/Man/Being to be endangered | In which way/how the hazards would take place | Updated Date | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | A | B | C | D | E | F | G | H | I | J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Monitor current and voltage measurement | Chemical contact in moisture phase during mounting probe to gasconductor contact | Worker, Assets | - PPE is unknown and moisture causes irritates to perceptive tissues – eye, nose, head, skin | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Fan Blade rotation | Worker, Assets | - Uncover the plate to lower structure - Fan Blade rotates to hit the worker | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | Fan Blade rotation | Worker, Assets | - Rotate to hit worker PPE is unknown | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | Slippage Ladder on wood structure | Worker | - Slip over ladder and Slip or fall down | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | Wood structure broken | Worker, Assets | - Structure Strength deteriorates | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | Power in Bus Line at MCC is live | Worker, Assets | - Fasteners are unchecked or missing - PPE is unknown - No supervisor - Uninstructed or instructions not being followed | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | |
| C13 | Air Compressor PM | Check Function at Control Panel | Noise of running equipment | Worker, Passerby | - PPE is unknown - Noise Guard is damaged | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | | | | | M | | | | | | | | | | | | | | | | | | |
| | | Check and Change Filters and Oil Conditioned Level | Power is forced during perform maintenance | Worker, Assets | - incomplete isolation - insufficient or miscommunication | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Check Motor Current | Peer Grounded of equipment and electric short circuit | Worker, Assets | - PPE is unknown - Ground is not repaired and equipment is energized | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | Oil and Filter as chemical contact if body intake | Worker | - Instruction unexecuted or not being followed - PPE is unknown | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Check Function Control Panel | Noise emission during cranking | Worker, Passerby | PPE is unknown Noise guard is damaged | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | Check and Change Filters and Oil Conditioned Level | Dust spread around during Rush when to irritate eye and respiratory system | Worker, Passerby | PPE is unknown Not follow TNP regulations | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Crank to check engine functioning | Contact of Oil during lubrication work | Worker | - Instruction unexecuted or not being followed - PPE is unknown | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 |
| | | Check Function Control Panel | Noise Emission during working within Turbine Enclosure | Worker, Passerby | PPE is unknown Noise guard is damaged | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Check and Change Filters and Oil Conditioned Level | Crank to check engine functioning | Exhaust gas to be inhaled | Worker, Passerby | PPE is unknown Work too close to the exhaust Work without isolation | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | Check Function Control Panel | Noise Emission during working within Turbine Enclosure | Worker, Passerby | PPE is unknown Noise guard is damaged | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | Check and Change Filters and Oil Conditioned Level | Crank to check engine functioning | Exhaust gas to be inhaled | Worker, Passerby | PPE is unknown Work too close to the exhaust Work without isolation | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | Check Function Control Panel | Noise Emission during working within Turbine Enclosure | Worker, Passerby | PPE is unknown Noise guard is damaged | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Check and Change Filters and Oil Conditioned Level | Crank to check engine functioning | Exhaust gas to be inhaled | Worker, Passerby | PPE is unknown Work too close to the exhaust Work without isolation | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 |
| C15 | Diesel Engines PM | Check Function Control Panel | Noise Emission during working within Turbine Enclosure | Worker, Passerby | PPE is unknown Noise guard is damaged | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 55.50 | 2 | 2 | 0 | 0 | 4 | M | | | | | | | | | | | | | | | | | | | | | | |

[illegible][illegible]

| [I] | | [II] | [III] | [IV] | [V] | [VI] | Risk Analysis Form | | | | | | | | | | [VII] | Likelihood's criteria form A | | | | | | | | | | [VIII] | [IX] | [X] | [XI] | [XII] | [XIII] | [XIV] | [XV] | [XVI] | [XVII] | [XVIII] | [XIX] | [XX] | [XXI] | [XXII] | [XXIII] | [XXIV] | [XXV] | [XXVI] | [XXVII] | [XXVIII] | [XXIX] | [XXX] | [XXXI] | [XXXII] | [XXXIII] | [XXXIV] | [XXXV] | [XXXVI] | [XXXVII] | [XXXVIII] | [XXXIX] | [XL] | [XLI] | [XLII] | [XLIII] | [XLIV] | [XLV] | [XLVI] | [XLVII] | [XLVIII] | [XLIX] | [L] | [LI] | [LII] | [LIII] | [LIV] | [LV] | [LVI] | [LVII] | [LVIII] | [LIX] | [LX] | [LXI] | [LXII] | [LXIII] | [LXIV] | [LXV] | [LXVI] | [LXVII] | [LXVIII] | [LXIX] | [LXX] | [LXXI] | [LXXII] | [LXXIII] | [LXXIV] | [LXXV] | [LXXVI] | [LXXVII] | [LXXVIII] | [LXXIX] | [LXXX] | [LXXXI] | [LXXXII] | [LXXXIII] | [LXXXIV] | [LXXXV] | [LXXXVI] | [LXXXVII] | [LXXXVIII] | [LXXXIX] | [LXXXX] | [LXXXXI] | [LXXXXII] | [LXXXXIII] | [LXXXXIV] | [LXXXXV] | [LXXXXVI] | [LXXXXVII] | 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| [#] | [#] | [#] | [#] | [#] | [#] | [#] | Likelihood's criteria item & A Score | | | | | | | | | | A Score | | | | | | | | | | Unlikelihood Occurrence | | | | | | | | | | Safety of Completion | | | | | | | | | | Consequence of Other Rule Law or Other Regulation | | | | | | | | | | Potential Loss or Non-compliance of Violation | | | | | | | | | | Score of Significance | | | | | | | | | | Significant Level | | | | | | | | | | Remark | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Item | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | Things/Machinery s to be endangered | In which way/how the hazards would take place | Updated Date | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | BV | BW | BX | BY | BZ | CA | CB | CC | CD | CE | CF | CG | CH | CI | CJ | CK | CL | CM | CN | CO | CP | CQ | CR | CS | CT | CU | CV | CW | CX | CY | CZ | DA | DB | DC | DD | DE | DF | DG | DH | DI | DJ | DK | DL | DM | DN | DO | DP | DQ | DR | DS | DT | DU | DV | DW | DX | DY | DZ | EA | EB | EC | ED | EE | EF | EG | EH | EI | EJ | EK | EL | EM | EN | EO | EP | EQ | ER | ES | ET | EU | EV | EW | EX | EY | EZ | FA | FB | FC | FD | FE | FF | FG | FH | FI | FJ | FK | FL | FM | FN | FO | FP | FQ | FR | FS | FT | FU | FV | FW | FX | FY | FZ | GA | GB | GC | GD | GE | GF | GG | GH | GI | GJ | GK | GL | GM | GN | GO | GP | GQ | GR | GS | GT | GU | GV | GW | GX | GY | GZ | HA | HB | HC | HD | HE | HF | HG | HH | HI | HJ | HK | HL | HM | HN | HO | HP | HQ | HR | HS | HT | HU | HV | HW | HX | HY | HZ | IA | IB | IC | ID | IE | IF | IG | IH | II | IJ | IK | IL | IM | IN | IO | IP | IQ | IR | IS | IT | IU | IV | IW | IX | IY | IZ | JA | JB | JC | JD | JE | JF | JG | JH | JI | IJ | JK | KL | KM | KN | KO | KP | KQ | KR | KS | KT | KU | KV | KW | KX | KY | KZ | LA | LB | LC | LD | LE | LF | LG | LH | LI | LJ | LK | LM | LN | LO | LP | LQ | LR | LS | LT | LU | LV | LW | LX | LY | LZ | MA | MB | MC | MD | ME | MF | MG | MH | MI | MJ | MK | ML | MM | MN | MO | MP | MQ | MR | MS | MT | MU | MV | MW | MX | MY | MZ | NA | NB | NC | ND | NE | NF | NG | NH | NI | NJ | NK | NL | NM | NN | NO | NP | NQ | NR | NS | NT | NU | NV | NW | NX | NY | NZ | OA | OB | OC | OD | OE | OF | OG | OH | OI | OJ | OK | OL | OM | ON | OO | OP | OQ | OR | OS | OT | OU | OV | OW | OX | OY | OZ | PA | PB | PC | PD | PE | PF | PG | PH | PI | PJ | PK | PL | PM | PN | PO | PP | PQ | PR | PS | PT | PU | PV | PW | PX | PY | PZ | QA | QB | QC | QD | QE | QF | QG | QH | QI | QJ | QK | QL | QM | QN | QO | QP | QQ | QR | QS | QT | QU | QV | QW | QX | QY | QZ | RA | RB | RC | RD | RE | RF | RG | RH | RI | RJ | RK | RL | RM | RN | RO | RP | RQ | RR | RS | RT | RU | RV | RW | RX | RY | RZ | SA | SB | SC | SD | SE | SF | SG | SH | SI | SJ | SK | SL | SM | SN | SO | SP | SQ | SR | SS | ST | SU | SV | SW | SX | SY | SZ | TA | TB | TC | TD | TE | TF | TG | TH | TI | TJ | TK | TL | TM | TN | TO | TP | TQ | TR | TS | TT | TU | TV | TW | TX | TY | TZ | UA | UB | UC | UD | UE | UF | UG | UH | UI | UJ | UK | UL | UM | UN | UO | UP | UQ | UR | US | UT | UU | UV | UW | UX | UY | UZ | VA | VB | VC | VD | VE | VF | VG | VH | VI | VJ | VK | VL | VM | VN | VO | VP | VQ | VR | VS | VT | VU | VV | VW | VX | VY | VZ | WA | WB | WC | WD | WE | WF | WG | WH | WI | WJ | WK | WL | WM | WN | WO | WP | WQ | WR | WS | WT | WU | WV | WW | WX | WY | WZ | XA | XB | XC | XD | XE | XF | XG | XH | XI | XJ | XK | XL | XM | XN | XO | XP | XQ | XR | XS | XT | XU | XV | XW | XX | XY | XZ | YA | YB | YC | YD | YE | YF | YG | YH | YI | YJ | YK | YL | YM | YN | YO | YP | YQ | YR | YS | YT | YU | YV | YW | YX | YY | YZ | ZA | ZB | ZC | ZD | ZE | ZF | ZG | ZH | ZI | ZJ | ZK | ZL | ZM | ZN | ZO | ZP | ZQ | ZR | ZS | ZT | ZU | ZV | ZW | ZX | ZY | ZZ |
| | | | | | | | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 55.56 | - | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| ID | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | Things/Man/Being is to be endangered | In which way/how the hazards would take place | Updated Date | Likelihood of occurrence from a consequence of the hazard | | | | | | | | | | A Score | Likelihood of occurrence from a consequence of the hazard | Severity of Consequences | Consequence to the Person/Asset/Environment | Control Measures | Residual Risk | Significance Level | Remark |
|-----|--------------------------------------|---------------------------------------|---|--|---|--------------|---|---|---|---|---|---|---|---|---|----|---------|---|--------------------------|---|------------------|---------------|--------------------|--------|
| | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | | | |
| | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | | | |
| C51 | Major Overhaul 18,000 Pps Gas Engine | C51.1 Lifting Work | C51.1.1 Electrical shock | Man | 1. Insulation, power supply cable are not good condition | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 49.50 | 1 | 3 | 0 | 0 | 3 | L | |
| | | | C51.1.2 Fall from high level | Man | 1. on work items 2. Scaffold isn't following THP standard | 9/29/2022 | 2 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 51.65 | 1 | 3 | 1 | 0 | 3 | L | |
| | | | C51.1.1.1 An Accessories part or disassembled part of Engine fall down | Man/Thing | 1. Poor rigging 2. Poor lifting equipment or not have to inspection | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 3 | 1 | 0 | 3 | L | |
| | | | C51.1.2 Crane fall | Man/Thing | 1. Crane operator not have Certificate 2. Overload lifting 3. Scaffolding 4. Crane not lateral when lift it | 9/29/2022 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 2 | 1 | 0 | 2 | VL | |
| | | | C51.1.3 An Accessories part or disassembled part of Engine impact to person | Man/Thing | 1. Not having tag line 2. Signal person not have skill 3. Signal person not have certificate | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 3 | 1 | 0 | 3 | L | |
| | | | C51.2 Disassembling and Reassembling engine work | C51.2.1 Pinch point | 1. Use equipment or tools wrong type with work 2. Margpower have low skill to use tool | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 3 | 1 | 0 | 3 | L | |
| | | | C51.2 Heavy weight equipment fall | Man | 1. Not support before lifting 2. Not have helper to support | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 1 | 1 | 0 | 1 | VL | |
| | | | C51.3 Confine space work, Cleaning Lubricant | C51.3.1 Lack of Oxygen | 1. Not have Certified 2. Not have Medical Certificate 3. No gas detector 4. Don't check O2 before entry 5. Poor air ventilation | 9/29/2022 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 51.65 | 1 | 2 | 1 | 0 | 2 | VL | |
| | | | C51.4 Work at High | C51.4.1 Fall down from high | 1. Working without Safety harness 2. Not hook at high 3. Poor scaffolding | 9/29/2022 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 51.65 | 1 | 3 | 1 | 0 | 3 | L | |
| | | | C51.5 Scaffolding work | C51.5.1 Fall down from high | 1. Working without Safety harness 2. Not to inspection Before Use | 9/29/2022 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 55.56 | 2 | 2 | 1 | 0 | 4 | M | |
| C52 | Overhaul electric chiller | C52.1 Lifting motor | C52.1.1 Motor fall down | Man/Thing | 1. Poor rigging 2. Poor lifting equipment, no inspection 3. Rigger no certificate 4. Crane operator no certificate 5. over load lifting | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 3 | 1 | 0 | 3 | L | |
| | | | C52.1.2 Crane fall | Man/Thing | 1. Poor rigging 2. Poor lifting equipment, no inspection 3. Rigger no certificate 4. Crane operator no certificate 5. over load lifting | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 3 | 1 | 0 | 3 | L | |
| | | | C52.1.3 Crane fall | Man/Thing | 1. Poor rigging 2. Poor lifting equipment, no inspection 3. Rigger no certificate 4. Crane operator no certificate 5. over load lifting | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 3 | 1 | 0 | 3 | L | |
| | | | C52.1.4 Crane fall | Man/Thing | 1. Poor rigging 2. Poor lifting equipment, no inspection 3. Rigger no certificate 4. Crane operator no certificate 5. over load lifting | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 3 | 1 | 0 | 3 | L | |

| Risk Analysis Form | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---------------------------|--|---|--------------------------------------|---|--------------|---|---|---|---|---|---|---|---|---|----|---------|--------------------------|--------------------------|---|------------------|---------------|--------------------|--------|
| [1] | [2] | [3] | [4] | [5] | [6] | [7] | Likelihood of occurrence from a consequence of the hazard | | | | | | | | | | A Score | Likelihood of Occurrence | Severity of Consequences | Consequence to the Person/Asset/Environment | Control Measures | Residual Risk | Significance Level | Remark |
| Item | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | Things/Man/Being is to be endangered | In which way/how the hazards would take place | Updated Date | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | B | C | D | E | | | |
| | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | | | |
| | | | C53.2.2 Explode | Man | 4. Not wear PPE 1. Gas cylinder fall 2. Gas leakage 3. No flash back arrester | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 2 | 1 | 0 | 2 | VL | |
| | | C53.3 Grinding work | C53.3.1 Finish paint | Man | 1. Not wear PPE 2. Margpower less skill | 9/29/2022 | 3 | 3 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 55.56 | 1 | 2 | 1 | 0 | 2 | VL | |
| | | C53.4 Blasting before surface of pipe line, Steel structure and Pipe support | C53.4.1 Haze from Equipment Blasting | Man | 1. Work with noise without ear plug / ear muff | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 3 | 1 | 0 | 3 | L | |
| | | | C53.4.2 High Pressure from Blasting injection header | Man/Asset | 1. Margpower less skill 2. Not have protection suite | 9/29/2022 | 3 | 3 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 54.32 | 1 | 2 | 1 | 0 | 2 | VL | |
| | | | C53.4.3 breathing dust emission from Blasting Machine | Man/Asset | 2. Not have barricade work area | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 3 | 1 | 0 | 3 | L | |
| | | C53.5 Painting work | C53.5.1 Breathing chemical vapor | Man | 1. Working with paint without mask | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 2 | 1 | 0 | 2 | VL | |
| | | | C53.5.2 Fall down from high | Man/Asset | 1. Working without Safety Harness | 9/29/2022 | 3 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 51.66 | 1 | 3 | 2 | 0 | 3 | L | |
| | | C53.6 Piping work | C53.6.1 Finish paint | Man | 1. Not wear PPE 2. Margpower less skill | 9/29/2022 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 56.82 | 1 | 2 | 1 | 0 | 2 | VL | |
| | | | C53.6.2 Fall down from high | Man | 1. Working without Safety Harness | 9/29/2022 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 59.26 | 2 | 2 | 1 | 0 | 4 | M | |
| | | | C53.6.3 Piping failure and piping scary fall down from high | Man/Thing | 1. Margpower less skill 2. Working without Protection net for protect Piping failure and piping scary fall down 3. Not have barricade work area | 9/29/2022 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 55.56 | 2 | 2 | 1 | 0 | 4 | M | |
| | | | | | 1. Poor scaffolding | | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 55.56 | 2 | 2 | 1 | 0 | 4 | M | |

| Risk Analysis Form | | | | | | | | | | | | | | | | | |
|--------------------|---------------------------|---------------------------------------|---|--|--|--------------|----------------------|---|---|---|---|---|---|---|-----|---|--------|
| [1] | [2] | [3] | [4] | [5] | [6] Likelihood of occurrence from A to M | | | | | | | | | | [7] | | |
| Item | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | ThingsMayBeIn s to be endangered | In which way/hove the hazards would take place | Updated Date | 1 2 3 4 5 6 7 8 9 10 | | | | | | | | | | Remark |
| | | | | | | | A | B | C | D | E | F | G | H | I | J | |
| | | | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | | C56.1.2 Fall down | Man | Work at height without safety belt | 9/29/2022 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | | C56.1.3 eye irritate | Man | Work without safety glasses | 9/29/2022 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | C56.2 Painting | C56.2.1 Breathing fume | Man | Work with paint without mask | 9/29/2022 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | | C56.2.2 Fall down | Man | Work at height without safety belt | 9/29/2022 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| C57 | Overhaul OEG motor | C57.1 Lifting motor | C57.1.1 Motor fall down | Man/Thing | 1. Floor rigging 2. Floor lifting equipment, no inspection 3. Rigger no certificate | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | | C57.1.2 Crane fall | Man/Thing | 1. Crane operator no certificate 2. over load lifting 3. Soft landing 4. No crane balance | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | | C57.1.3 Motor impact (intrusion) | Man/Thing | 1. No tag line 2. Floor signal 3. Signal no certificate | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | C57.2 Work at height | C57.2.1 Fall down | man | 1. Floor scaffolding 2. No safety harness 3. No hook safety harness | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | C57.3 Welding copper tube | C57.3.1 Fire | Man | 1. No barricade, cleaning area 2. No fire watch and standby fire extinguisher | 9/29/2022 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | | C57.3.2 Explode | Man | 1. Gas cylinder fall 2. Gas leak 3. No flash back arrestor | 9/29/2022 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | C57.4 Function test | C57.4.1 Electric shock | man | 1. Mistake connect cable 2. Miscommunication between OCH and work site 3. Power LOTO | 9/29/2022 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | | C57.4.2 Rotating machine fly, broken to impact worker | Man | 1. Floor rigging 2. No inspect before test | 9/29/2022 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| C58 | OEG 5-6 construction | Outwork | 1.1 Electrical shock | Man | equipment integrate | 9/29/2022 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | | 1.2 Dust | Man | No cover sheet or no spray water for work as generate dust | 9/29/2022 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | | 1.3 Over lighting from welding work | Man | No wear safety glasses | 9/29/2022 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | | 1.4 Fall down | Man | Work at height without safety belt | 9/29/2022 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | | 1.5 Noise | Man | Work with noise without ear plug / ear muff | 9/29/2022 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | Installation machine | 1.1 Crane fall | Man/Thing | 1. Crane operator no certificate 2. over load lifting 3. Soft landing 4. No crane balance | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | | |

| [I] | | [II] | | [III] | | [IV] | | [V] | | [VI] | | Likelihood of occurrence from A to M | | | | | | | | | | [VII] | | [VIII] | | | | | | |
|------|---|---------------------------------------|-------------------|---------------------------------------|--|--------------|----------------------|-----|---|------|---|--------------------------------------|---|---|---|---|---|---|---|---|---|-------|---|--------|---|---|---|---|---|--------|
| Item | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | ThingsMayBeIn s to be exchanged | In which way/hove the hazards would take place | Updated Date | 1 2 3 4 5 6 7 8 9 10 | | | | | | | | | | A | B | C | D | E | F | G | H | I | J | K | L | M | Remark |
| | | | | | | | A | B | C | D | E | F | G | H | I | J | | | | | | | | | | | | | | |
| C51 | Main Cooling Chemical doing improvement | - Lifting work | Object fall down | Thing/Man | Unidentified lifting tool person No lifting equipment inspection Over load Overload Crane operator no skill | 9/29/2022 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | L | | |
| | | | | Man | Accum. diff. pressure Leakage Le | | | | | | | | | | | | | | | | | | | | | | | | | |

| Risk Analysis Form | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|---|-----------------------|--|--|--------------|------------------------------|---|---|---|---|---|---|-------|---|----|---------|--------------------------|---|-----------------------------------|---------------------------------------|----------------------------|-----------------------|--------------------|--------|
| [1] | [2] | [3] | [4] | [5] | [6] | [7] | Likelihood's criteria Item A | | | | | | | | | | A Score | Likelihood of Occurrence | Severity of Consequences | New Consequences | Applicable Law or Code of Requirement | Previous Legal Requirement | Score of Significance | Significance Level | Remark |
| Item | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | Threats/What is to be endangered | In which way/how the hazards would take place | Updated Date | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | B | C | D | E | F | | | |
| | | | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 30.61 | 1 | 3 | | | | | | | 0 | 0 | 1 |
| | | 3 Scrap yard | Scrap of waste | Man | Injury in small of hazardous and non hazardous waste | 9/29/2022 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 30.61 | 1 | 3 | 0 <td>0<td>1</td><td>VL</td></td> | 0 <td>1</td> <td>VL</td> | 1 | VL | | |
| AP7 | OFO unloading area(Storage) | OFO tank | Car crash at valve | Man and Access | 1. Bump damage 2. Drive a car too speed | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 65.53 | 1 | 3 | 0 <td>0<td>3</td><td>L</td></td> | 0 <td>3</td> <td>L</td> | 3 | L | | |
| AP8 | PTT Gas metering station | Gas pipe line | Slip | Man | - Floor wet from condensate water at gas pipe which worker may slip. - Gas leakage | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 64.20 | 1 | 3 | 0 <td>0<td>2</td><td>VL</td></td> | 0 <td>2</td> <td>VL</td> | 2 | VL | | |
| | | | Explosion, Flame/male | Man | - Gas leakage and get ignition source and explode or fire | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 61.80 | 1 | 3 | 1 | 0 <td>3</td> <td>L</td> | 3 | L | | |
| AP9 | Fuel Gas pre-heater | None | None | - | - | 9/29/2022 | - | - | - | - | - | - | - | - | - | - | 66.86 | 1 | 3 | 1 | 0 <td>3</td> <td>L</td> | 3 | L | | |
| | | 1 Hot surface of plate heat exchanger | Hot surface | Man | - no guard | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 66.86 | 1 | 3 | 1 | 0 <td>3</td> <td>L</td> | 3 | L | | |
| AP10 | Process area | 1. GT100200 turbine Compartment and exhaust | 1 High Noise level | Man | - Worker work at that area but the high noise level is natural of machine | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 64.44 | 1 | 3 | 1 | 0 <td>3</td> <td>L</td> | 3 | L | | |
| | | 1.2 High temperature | Man | - Worker work at that area but the high temperature is natural of machine | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 62.96 | 1 | 3 | 1 | 0 <td>2</td> <td>VL</td> | 2 | VL | | |
| | | 1.3 Fire in turbine room | Man, Thing | - Gas leak - Hydraulic and tube of leak | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 66.10 | 1 | 3 | 0 <td>0<td>3</td><td>L</td></td> | 0 <td>3</td> <td>L</td> | 3 | L | | |
| | | 2 GT100200 Fuel gas side | High Noise level | Man | - Worker work at that area. High noise because reduce size of gas pipe | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 66.36 | 1 | 3 | 1 | 0 <td>3</td> <td>L</td> | 3 | L | | |
| | | 3. GT 100200 Popping and LOF side | None | - | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 67.62 | 1 | 3 | 1 | 0 <td>3</td> <td>L</td> | 3 | L | | |
| | | 4 Steam turbine compartment and tube of steam | 1 High Noise level | - | - Worker work at that area but the high noise level is natural of machine | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 67.62 | 1 | 3 | 1 | 0 <td>3</td> <td>L</td> | 3 | L | | |
| | | 4.2 Inlet from dust | Man | - Worker work at that area but the high noise level is natural of machine - No housekeeping | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 67.62 | 1 | 3 | 1 | 0 <td>3</td> <td>VL</td> | 3 | VL | | |
| | | 4.3 Mechanical (lock) | Man | - Over look from outside, the unsafe condition. If steam go in steam turbine hall, the door can lock from outside. The man can't go out. | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 66.81 | 3 | 0 <td>0<td>0<td>0</td><td>VL</td></td></td> | 0 <td>0<td>0</td><td>VL</td></td> | 0 <td>0</td> <td>VL</td> | 0 | VL | | |
| | | 4.3a Mechanical (lock) | Man | - Over look from outside, the unsafe condition. If steam go in steam turbine hall, the door can lock from outside. The man can't go out. | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 66.36 | 3 | 0 <td>0<td>0<td>0</td><td>VL</td></td></td> | 0 <td>0<td>0</td><td>VL</td></td> | 0 <td>0</td> <td>VL</td> | 0 | VL | | |
| | | 4.3b Mechanical (lock) | Man | - Over look from outside, the unsafe condition. If steam go in steam turbine hall, the door can lock from outside. The man can't go out. | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 66.12 | 1 | 2 <td>0<td>0<td>2</td><td>VL</td></td></td> | 0 <td>0<td>2</td><td>VL</td></td> | 0 <td>2</td> <td>VL</td> | 2 | VL | | |
| | | 4.4 Fire in steam turbine compartment | Man, Thing | - Lubr oil and hydraulic oil leak | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 66.15 | 1 | 3 | 0 <td>0<td>3</td><td>L</td></td> | 0 <td>3</td> <td>L</td> | 3 | L | | |
| | | 5 Steam turbine Down down tank | None | - | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 67.14 | 2 | 1 | 0 <td>0<td>2</td><td>VL</td></td> | 0 <td>2</td> <td>VL</td> | 2 | VL | | |
| | | 6 HRSG400950 | 1 Hot from steam | Man | - Pressure gate (P0511) main steam heater HRSG has rupt. Worker work nearby that area may burn from hot steam of pressure gate (P0511) main steam heater HRSG damage | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 67.66 | 3 | 0 <td>0<td>0<td>0</td><td>VL</td></td></td> | 0 <td>0<td>0</td><td>VL</td></td> | 0 <td>0</td> <td>VL</td> | 0 | VL | | |
| | | 6.2 Bird flu Virus (GMP 01005) | Man | - Potential in presence of the bird flu virus in bird-shed | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 67.66 | 3 | 0 <td>0<td>0<td>0</td><td>VL</td></td></td> | 0 <td>0<td>0</td><td>VL</td></td> | 0 <td>0</td> <td>VL</td> | 0 | VL | | |

| Risk Analysis Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|--|---|--|--|--|--|-----------|---|---|---|---|---|---|---|----|--------|--------------------------|-------|--------------------------|---|------------------|---|---------------------------------------|----|----------------------------|----|-----------------------|---|--------------------|--|--------|
| [I] | [II] | [III] | [IV] | [V] | [VI] | [VII] | Likelihood's criteria Item A | | | | | | | | | | [VIII] | Likelihood of Occurrence | | Severity of Consequences | | New Consequences | | Applicable Law or Code of Requirement | | Previous Legal Requirement | | Score of Significance | | Significance Level | | Remark |
| Item | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | Threats/What is to be endangered | In which way/how the hazards would take place | Updated Date | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | B | C | D | E | F | G | H | I | J | K | L | M | | | |
| AN14 | Drainage system | Outside trenches at gas pre-heater and fire water pump | Fall down to bottom. Injuries | Man | - Some area has not cover trenches | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.47 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | M | | | | | | |
| AN15 | Admin. 1 st floor | 1. Walk way front total room | 1.1 Copy machine | Lighting | User | Lighting from machine may irritating to eye when operate long time | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.57 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | VL | | | | | | | |
| | | | | Carbon | User | Carbon come out from machine may irritating to the breathe system | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.57 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | VL | | | | | | |
| | | | | 1.2 Document on the cabinet | Document fall down | Staff | Staff work near by area may get injury when document fall down | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.67 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | VL | | | | | |
| | | | | 2.1 Chemical for cleaning | Chemical | Staff | Chemical fall down and leakage from container and who entrance to this room. It may get suffer if chemical leakage | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.67 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | VL | | | | | |
| 2. INBOX room | | | 2.2 Electric wire | Electric | Staff | Spark to the body which came from poor quality of the wire | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.67 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | VL | | | | | | | |
| | | | 2.3 Document on the shelf | Document fall down | Staff | Incase document fall down and hit the body | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.67 | 2 | 1 | 0 | 0 | 0 | 0 | 4 | M | | | | | | |
| | | | 3. Lab. room | 3.1 Electric wire | Electric | Staff | Spark to the body which came from poor quality of the wire | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.67 | 2 | 1 | 0 | 0 | 0 | 0 | 4 | M | | | | | | |
| | | | 4. All area of Admin. Building (GMP 0200) | 4.1 Air condition system | Flue gas Exhaust | Staff | Flue gas Exhaust from diesel generator work at admin building via fresh air unit | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.64 | 3 | 2 | 0 | 0 | 0 | 0 | 6 | H | | | | | |
| 4.1a Air condition system | Flue gas Exhaust | Staff | | Flue gas Exhaust from diesel generator work at admin building via fresh air unit | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.62 | 3 | 2 | 0 | 0 | 0 | 0 | 4 | M | | | | | | | |
| 5. Battery room | | | 5.1 Vapor of electrolyte | Man | - Vapor from charging process | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13.66 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | VL | | | | | | | |
| | | | 5.2 Explosion | Man, Thing | - High voltage - High pressure | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13.66 | 1 | 3 | 0 | 0 | 0 | 0 | 3 | L | | | | | |
| | | | 5.3 Fire | Man, Thing | - Short circuit | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13.66 | 1 | 3 | 0 | 0 | 0 | 0 | 3 | L | | | | | |
| 6. Walk way front admin. | 7. Walk way front admin. wall when rain | Slip | Man | | - Floor surface level - Floor build can water | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14.71 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | VL | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AN16 | Admin. 2 nd floor | - Copy machine area | Copy machine | Lighting | User | Lighting from machine may irritating to eye when operate long time | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.57 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | VL | | | | | | | |
| | | | | Electric wire | Electric | Staff | Spark to the body which came from poor quality of the wire | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.67 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | VL | | | | | | |
| | | - Pool area | Document on the cabinet | Document fall down | Staff | Incase document fall down and hit the body | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.67 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | VL | | | | | | |
| | | | | Electric wire | Electric | Staff | Spark to the body which came from poor quality of the wire | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.57 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | VL | | | | | |
| | | - Mail room | Water tube | Electric | Staff | Spark to the body which came from poor quality of the wire | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.57 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | VL | | | | | |
| | | | | Housework | Lighting | User | Lighting from machine may irritating to eye when operate long time | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16.67 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | VL | | | | | |

| | | Risk Analysis Form | | | | | | | | | | | | | | | | | | | | | | | |
|------|----------------------------|---|---|--|---|--------------|------------------------------|---|---|---|---|---|---|---|---|----|---------|--------------------------|---|---|--------------------------|-----------------------|--------------------|--------|--|
| [1] | [2] | [3] | [4] | [5] | [6] | [7] | Likelihood's criteria Item A | | | | | | | | | | A Score | Likelihood of Occurrence | | | Severity of Consequences | Score of Significance | Significance Level | Remark | |
| Item | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | Threats/What is to be endangered | In which way/how the hazards would take place | Updated Date | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | A | B | C | D | E | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| AP11 | Water Treatment plant area | 0.2a Bird flu Virus | Man | - Potential in presence of the bird flu virus in bird shed | | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 54.38 | 1 | 3 | 0 | 0 | 3 | L | | |
| | | 0.3 Boiler explosion | Man, property | - Over Pressure because valve malfunction - Over heat because water level low, low flow and valve malfunction | | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 51.65 | 1 | 3 | 1 | 0 | 3 | L | | |
| | | 7 HRSG400950 Down down tank | High temp. Steam and hot water level out | Man | - If gas turbine or steam turbine trip will open some drain valve or some slow down valve to release steam and hot water. No atmosphere air blow down tank, the released steam and hot water may hit or drop to man who in this vent area | | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 66.87 | 2 | 2 | 0 | 0 | 4 | M | | |
| | | 8. H2 pressure cylinder | Leak H2 | Man | - H2 may be explode because H2 cylinder has not from rain | | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 43.94 | 1 | 3 | 1 | 0 | 3 | L | | |
| | | 9. Hot equipment ex. Steam pipe the hot condensate, gas pre heater | Heat | Man | 1. Contact for equipment or hot pipe 2. Insulation damage 3. No insulation | | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 75.31 | 2 | 1 | 0 | 0 | 2 | VL | | |
| | | 10. Cable trench | Weight | Man/thing | 1. Handle rust when lifting may fall down 2. cover cable trench heavy weight | | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 58.02 | 2 | 2 | 0 | 0 | 4 | M | | |
| | | 11. 115 kV Transformer | None | | | | 9/29/2022 | | | | | | | | | | | | | | | | | | |
| | | 12. 22 kV Transformer | None | | | | 9/29/2022 | | | | | | | | | | | | | | | | | | |
| | | 13. 22 kV substation | None | | | | 9/29/2022 | | | | | | | | | | | | | | | | | | |
| | | 14. Install new air compressor | High Noise level | Man | 1. Unwear ear protection equipment 2. Air compressor door open | | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 2 | 0 | 0 | 0 | 2 | VL | |
| | | 15. Step ladder around plant | Fall/slip | Man | 1. Don't fix step ladder | | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 48.13 | 1 | 2 | 0 | 0 | 0 | 2 | VL | |
| | | 1.1.1 Chemical tank | HCl 30%, NaOCl NaOH | Man | - Eye, skin Contact with hazardous chemical and breath in chemical fume increase chemical leakage or chemical spillage | | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 55.56 | 2 | 2 | 0 | 0 | 0 | 4 | M | |
| | | 1.1.2 Initial Deluge spray water at chemical tank at end of shift | None | Man | - Neg | | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 54.26 | 2 | 2 | 0 | 0 | 0 | 4 | M | |
| | | 1.1.3 Raw water fill | Full down | Man | - Regulation valve or float valve get no going when we need to operate. May full down | | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 58.29 | 2 | 2 | 0 | 0 | 0 | 4 | M | |
| | | 1.1.4 Chemical tanker truck transportation in water treatment plant | Chemical tanker truck crashed with concrete barrier | Property | 1. Provide training course defensive driving of chemical tanker truck 2. Install sensor and camera at front and back of chemical tanker truck 3. Observe during chemical tanker truck unloading and driving to outside - Walk in this area may contact water mist which water mist may contained with chemical and some bacteria - Legionella Bacteria growth in cooling towers - Poor water quality control | | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 56.72 | 2 | 2 | 0 | 0 | 0 | 4 | M | Refered Accident on 3 June 2021, Chemical tanker truck crashed with concrete barrier |
| AP12 | Cooling tower | - Breathing in the Legionella bacteria. Water mist splash to worker | Bacteria | Man | | 9/29/2022 | | | | | | | | | | | | | | | | | | | |
| AP13 | Flow water system | None | | | | 9/29/2022 | | | | | | | | | | | | | | | | | | | |

| | | Risk Analysis Form | | | | | | | | | | | | | | | | | | | | | | |
|------|--|--|--|---|---|---|------------------------------|---|---|---|---|---|---|---|---|----|--|-----------------------|-------------------|--------|---|---|----|--|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | Likelihood's criteria item 8 | | | | | | | | | | (8) | (9) | | | | | | |
| Item | Job Group or Surroundings | Job Character or Surroundings Details | Source of Hazards | Things/Items/Behaviors to be endangered | In which way/how the hazards would take place | Updated Date | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Likelihood of Occurrence Severity of Consequence if Exposure is Continuous or Intermittent Applicable Law or Other Requirements Previous Legal Violations | Score of Significance | Significant Level | Remark | | | | |
| | | 18.4.1 Water mist splash to worker | chemical contact | man | worker wear long-sleeved shirt | 9/29/2022 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | | | A | B | C | D | E | | | |
| | | 18.4.2 As call 4 Hand rail is low, cannot protect fall down | Fall down | Man | — Walk on pit form at 4" call. It's higher than ground level. | 9/29/2022 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 54.32 | 1 | 3 | 0 | 0 | 3 | L | |
| | | 18.4.2A At call 4 Hand rail is low, cannot protect fall down - Set up EMP 0708 installed new hand rail for call 4 GGD cooling tower | Fall down | Man | - Walk on pit form at 4" call. It's higher than ground level. | 9/29/2022 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 34.57 | 1 | 3 | 0 | 0 | 3 | L | |
| | | 19.1 Water make up pipe line | Fall down | Man | Pressure regulator's valve no access way to get to operate valve. When we need to operate, we need to climb up and cross grating. | 9/29/2022 | 3 | 1 | 3 | 1 | 1 | 3 | 2 | 3 | | | 54.32 | 1 | 2 | 0 | 0 | 2 | VL | |
| | | 19.2 Foam fire protection system | Foam contact skin and irritant | Man | Spray by error cause | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 40.74 | 1 | 2 | 0 | 0 | 2 | VL | |
| AN20 | New ware house | 1. Warehouse area | Fall down | Man, asset | - Careless when move spare part | 9/29/2022 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 2 | 0 | 0 | 2 | VL | |
| | | | | | - Fork lift driver no skill | 9/29/2022 | | | | | | | | | | | | | | | | | | |
| | | | | | - Put spare part unsafe area (170x160x160) (hazardous) | 9/29/2022 | | | | | | | | | | | | | | | | | | |
| | | | | | - Ladder is not strong, not lock the ladder's wheel before use | 9/29/2022 | | | | | | | | | | | | | | | | | | |
| | | | ergonomic | Man | - Lifting spare part using ergonomic | 9/29/2022 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 40.74 | 1 | 2 | 0 | 0 | 2 | VL | |
| | | 2. Training room | Electric shock | Man | - Use wrong equipment. - Short circuit - Over load | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 3 | 0 | 0 | 3 | L | |
| | | 3. Document room | fire | Man, asset | - Short circuit | 9/29/2022 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 3 | 0 | 0 | 3 | L | |
| | | | Fall down | Man | - Document fall down when we need to move it | 9/29/2022 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 37.04 | 1 | 1 | 0 | 0 | 1 | VL | |
| AN21 | Retention pond | 1. Work on grating | Object fall down | Asset | 1. Grating has gap. May object fall down. | 9/29/2022 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 29.16 | 1 | 1 | 0 | 0 | 1 | VL | |
| | | 2. Move wheel at walk way | strike | Man | 3. Grate bit worker | 9/29/2022 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 43.23 | 1 | 3 | 0 | 0 | 3 | L | |
| | | 3b. Move wheel at walk way | strike | Man | 1. Grate bit worker 2. worker can trip | 9/29/2022 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 36.37 | 1 | 3 | 0 | 0 | 3 | L | |
| AN22 | Sprinkler system | None | | | | | | | | | | | | | | | | | | | | | | |
| AN23 | New waste storage | None | | | | | | | | | | | | | | | | | | | | | | |
| AE24 | Novoc fire protection system | Spray by error cause | Harmful if inhaled | man | Spray by error cause | 9/29/2022 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 48.15 | 1 | 1 | 0 | 0 | 1 | VL | |
| AE25 | Rain Gutter | Rain gutter | Fall down | Man | Employees fall down into rain gutter | 9/29/2022 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 40.00 | 1 | 1 | 0 | 0 | 1 | VL | |
| AE26 | Radiation Krypton 85 at ignition exciter of GT | Krypton 85 to leak in ignition exciter of Gas turbine | Radiation Krypton-85 Beta ray | man | Krypton-85 container broken and release Krypton 85 gas to ambient - release krypton-85 gas when container broken | 9/29/2022 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 37.04 | 1 | 3 | 1 | 0 | 3 | L | |
| | | Concrete fence around power plant | Overcurrent flooding through the powerplant and cause fence collapsed | fence collapsed | Asset | Power flooding through the powerplant and cause fence collapsed | 9/29/2022 | 2 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 1 | 50.02 | 1 | 1 | 1 | 0 | 1 | VL | |
| | | COVID-19 epidemic in Rayong and Chonburi province | Employees and contractor infected COVID-19 from contact when infection | Corona Virus (COVID-19) disease | Man | Employees and contractor infected COVID-19 | 9/29/2022 | 3 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 44.44 | 1 | 3 | 1 | 0 | 3 | L | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

ภาคผนวก ข-40

แผนการซ่อมบำรุงในเชิงป้องกันของระบบกำจัด
ก๊าซออกไซด์ของไนโตรเจนที่เกิดจากเครื่องยนต์ก๊าซ
ด้วยระบบเอสซีอาร์ (SCR)

[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

[illegible]

ภาคผนวก ข-41

เอกสารการตรวจสอบความปลอดภัยภายในพื้นที่โรงไฟฟ้า
(safety walk)

[illegible]

[illegible]

ภาคผนวก ข-42

แผนบำรุงรักษาในเชิงป้องกันเกี่ยวกับความปลอดภัยของระบบ
ลำเลียงก๊าซธรรมชาติ



สายงานระบบท่อส่งก๊าซธรรมชาติ บริษัท ปตท. จำกัด (มหาชน)

ส่วนปฏิบัติการระบบท่อเขต 1

แผนปฏิบัติการและบำรุงรักษาอุปกรณ์สถานีควบคุมและวัดปริมาณก๊าซสำหรับลูกค้า ประจำปี 2565

หน่วย/แผนก ปท.1-2

ชื่อลูกค้า :

โกส่ว เอสพีพี 11 (Glow SPP 11) Plant 1

Plan Revision 1/2022

| แผนกิจกรรม | ประเภทงาน / ระดับงาน CM หรือ PM (ML1, ML2, ML3) | Functional Location | Estimate Cost (Baht) | Year 2022 | | | | | | | | | | | | ผู้รับผิดชอบ |
|--|--|---------------------|----------------------|-----------|--------|------|------|------|------|------|--------|------|------|--------|--------|----------------------------|
| | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| อุปกรณ์ | | | | | | | | | | | | | | | | |
| 1. เก็บ report ดัดยอใช้ก๊าซฯ | ML1 | TSO-GLOW11 | | 1/15 | 1/15 | 1/15 | 1/15 | 1/15 | 1/15 | 1/15 | 1/15 | 1/15 | 1/15 | 1/15 | 1/15 | 1. คุณศุภฤกษ์ กันตรัตน์กุล |
| 2. สอบเทียบอุปกรณ์การวัดปริมาณก๊าซ Transmitter-F/C | ML2 | TSO-GLOW11 | | | Q | | | Q | | | Q | | | Q | | โทร. 089-816-5056 |
| 3. Gas Turbine Meter Calibration & Flow Computer | | | | | | | | | | | | | | | | |
| 3.1 Turbine-A + Flow comp run A | ML3 | TSO-GLOW11 | | | | | | | | | | | | | 3Y(66) | 2.นายศราวุฒิ คล่องกำไร |
| 3.2 Turbine-B + Flow comp run B | ML3 | TSO-GLOW11 | | 3Y(67) | | | | | | | | | | | | โทร. 085-145-1637 |
| 4.บำรุงรักษาอุปกรณ์ระบบวัดควบคุม (Inspection) | ML1 | TSO-GLOW11 | | M | M | M | M | M | M | M | M | M | M | M | M | |
| 5.บำรุงรักษาอุปกรณ์ระบบวัดควบคุม (Test & Adjustment) | ML2 | TSO-GLOW11 | | | H,Y | | | | | | H | | | | | |
| 6.ทำความสะอาดสถานี | ML2 | TSO-GLOW11 | | | H | | | | | | H | | | | | นอกเวลาทำการ |
| 7. ระบบไฟฟ้าCharger UPS,Air condition,Fire Alarm,RTU | ML2 | TSO-GLOW11 | | | H | | | | | | H | | | | | โทร. 02-537-2000 |
| 8.บำรุงรักษาอุปกรณ์ PCV,PSV,SSV (Overhaul) | ML3 | TSO-GLOW11 | 301300 | | 4Y(65) | | | | | | | | | | | ต่อ 35103 - 35105 |
| 9.บำรุงรักษาอุปกรณ์ HOV (Overhaul) | ML3 | TSO-GLOW11 | | | 5Y(68) | | | | | | | | | | | |
| 10.PM ML3 RTU system | ML3 | TSO-GLOW11 | | | | | | | | | 3Y(67) | | | | | |
| 11.PM ML3 Battery Charger and Battery | ML3 | TSO-GLOW11 | 34500 | | | | | | | | 3Y(65) | | | | | |
| 12.PM ML3 Filter Element | ML3 | TSO-GLOW11 | | | 4Y(67) | | | | | | | | | | | |
| 13.ตรวจสอบบันจัน/เครื่อง/รอก ประจำปี | ML2 | TSO-GLOW11 | 5750 | | | | | | | | | | | | | |
| 14.งานเปลี่ยน Battery Charger ทดแทนของเดิมที่ Obsolete | งานเฉพาะคราว | TSO-GLOW11 | 1725000 | | | | | | | | | | | 3Y(65) | | |
| Unplan CM & others | Unplan CM & others | | 150000 | | | | | | | | | | | | | |
| | รวมงบประมาณ | | 2216550 | | | | | | | | | | | | | |

Definition

M = Monthly
Q = Quarterly
H = Half of Year
Y = Yearly

3Y = 3 Years
3Y(XX) = 3 Years (year to target)
xY = x Years

Preventive Maintenance Interval สำหรับ Gas Sale Equipment และอุปกรณ์ควบคุม
- Gas Turbine Meter & Flow computer calculation test ทุก 3 ปี
- อุปกรณ์การวัดปริมาณก๊าซ Transmitter & Flow computer สอบเทียบทุก 3 เดือน
- อุปกรณ์ PSV & SSV ทดสอบทุก 1 ปี

Unplan CM & others

งบประมาณ สำหรับวัสดุสิ้นเปลือง/งานซ่อมบำรุง/งาน CM ฉุกเฉินอุปกรณ์ที่เสียหาย ซ้ำรุนแรงนอกแผนระหว่างปี ที่อาจเกิดขึ้น อาทิ S/P PCV,PSV,SSV ที่ต้อง overhaul นอกแผน/ Card IO Flowcomp ที่อาจเสียหาย / Surge,IS,prox.switch/ Turbine bearing,magnetic coupling,HF,LF ที่อาจจะเสียหาย / etc.ประมาณการโดยใช้ข้อมูลในอดีต , ไม่สามารถรับรองได้ว่า อุปกรณ์จะมีการเสียหาย ซ้ำรุนแรง นอกเหนือกว่าประมาณการ”
งานเฉพาะคราว : โครงการที่ใช้เงินนอกงบจาก GSM และลูกค้าไว้ดำเนินการ

รับทราบโดย

()

ผู้จัดทำ

(นายศราวุฒิ คล่องกำไร)
วิศวกร

ผู้จัดทำ

(นายบัณฑิต ทัศนชูเกียรติ)
วิศวกร

ผู้ตรวจสอบ

(นายวินัย อินทรวิเชียร)
หน.ปท. 1-2

ผู้อนุมัติ

(นายทองพูน กมลเศรษฐ์)
ผจ.ปท.1

วันที่อนุมัติ

30-ส.ค.-64



ส่วนปฏิบัติการระบบท่อเขต 1

แผนปฏิบัติการและบำรุงรักษาอุปกรณ์สถานีควบคุมและวัดปริมาณก๊าซสำหรับลูกค้า ประจำปี 2565

หน่วย/แผนก ปท. 1-2

ชื่อลูกค้า :

โกลว์ เอสพีพี 11 (Glow SPP 11) Plant 1

Plan Revision 1/2022

[illegible]

ลูกค้าขอเลื่อนงานจากปี 64 มา 65 ต้องถามไปทางลูกค้าอีกครั้งว่า ปี65 จะเปลี่ยนหรือไม่

Definition

M = Monthly
Q = Quarterly
H = Half of Year
Y = Yearly

3Y = 3 Years
3Y(XX) = 3 Years (year to target)
xY = x Years


Preventive Maintenance Interval สำหรับ Gas Sale Equipment และอุปกรณ์ที่เกี่ยวข้อง

- Gas Turbine Meter & Flow computer calculation test ทุก 3 ปี
- อุปกรณ์การวัดปริมาณก๊าซ Transmitter & Flow computer สอบเทียบทุก 3 เดือน
- อุปกรณ์ PSV & SSV ทดสอบทุก 1 ปี

รับทราบโดย

ผู้จัดทำ _____
(นายตราวุฒิ คล่องกำไร)
วิศวกร

ผู้จัดทำ _____
(นายนันทวัฒน์ หัตสนฐเกียรติ)
วิศวกร

ผู้ตรวจสอบ 
(นายนิย อินทรีเชิร)
หน.ปท. 1-2

ผู้อนุมัติ 
(นายทองพูน กมลเสตร)
ผจ.ปท.1

วันที่ ๑๓ มิถุนายน ๒๕๖๕

...../...../.....

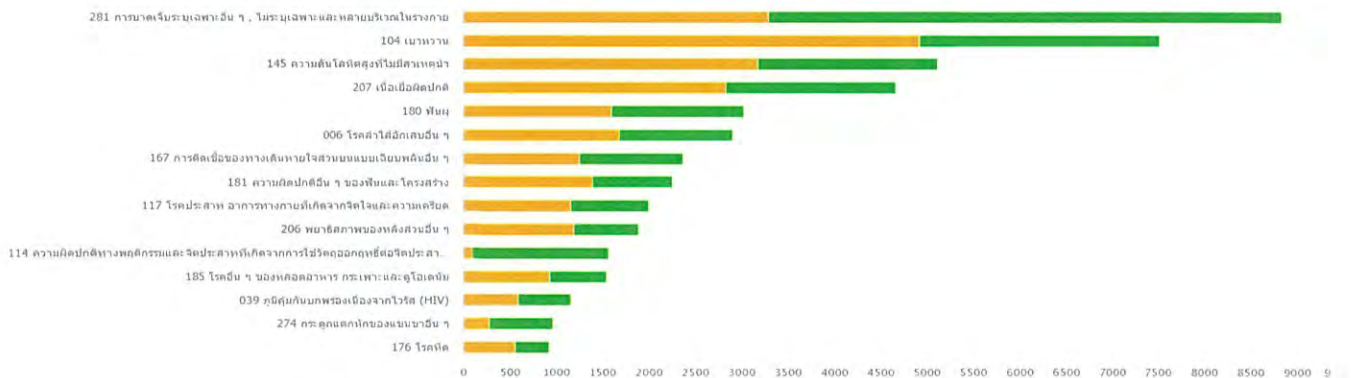
ภาคผนวก ข-43

สถิติด้านสุขภาพความเจ็บป่วยของชุมชน
จากหน่วยงานสาธารณสุข

โรงพยาบาลปลวกแดง ปีงบประมาณ 2565

| ชื่อกลุ่ม(298โรค) | ชาย | หญิง | รวม |
|---|--------|--------|--------|
| 281 การบาดเจ็บเฉพาะอื่น ๆ , ไม่ระบุเฉพาะและหลายบริเวณในร่างกาย | 5551 | 3289 | 8840 |
| 104 เบาหวาน | 2589 | 4926 | 7515 |
| 145 ความดันโลหิตสูงที่ไม่มีสาเหตุ | 1940 | 3178 | 5118 |
| 207 เนื้อเยื่อผิดปกติ | 1830 | 2835 | 4665 |
| 180 ฟันผุ | 1421 | 1599 | 3020 |
| 006 โรคกล้ามเนื้ออื่น ๆ | 1216 | 1687 | 2903 |
| 167 การติดเชื้อของทางเดินหายใจส่วนบนแบบเฉียบพลันอื่น ๆ | 1117 | 1253 | 2370 |
| 181 ความผิดปกติอื่น ๆ ของฟันและโครงสร้าง | 857 | 1396 | 2253 |
| 117 โรคประสาท อาการทางกายที่เกิดจากจิตใจและความเครียด | 838 | 1155 | 1993 |
| 206 พยาธิสภาพของหลังส่วนอื่น ๆ | 697 | 1192 | 1889 |
| 114 ความผิดปกติทางพฤติกรรมและจิตประสาทที่เกิดจากการใช้วัตถุออกฤทธิ์ต่อจิตประสาทอื่น ๆ | 1470 | 93 | 1563 |
| 185 โรคอื่น ๆ ของหลอดอาหาร กระเพาะและลำไส้เล็ก | 615 | 930 | 1545 |
| 039 ภูมิคุ้มกันบกพร่องเนื่องจากไวรัส (HIV) | 570 | 587 | 1157 |
| 274 กระดูกแตกหักของแขนขาอื่น ๆ | 686 | 282 | 968 |
| 176 โรคหัวใจ | 367 | 553 | 920 |
| รวม | 21,764 | 24,955 | 46,719 |

สาเหตุการป่วยของผู้ป่วยนอกตามกลุ่มโรค 10 อันดับแรก จังหวัดระยอง อำเภอปลวกแดง โรงพยาบาลปลวกแดง ปี 2565

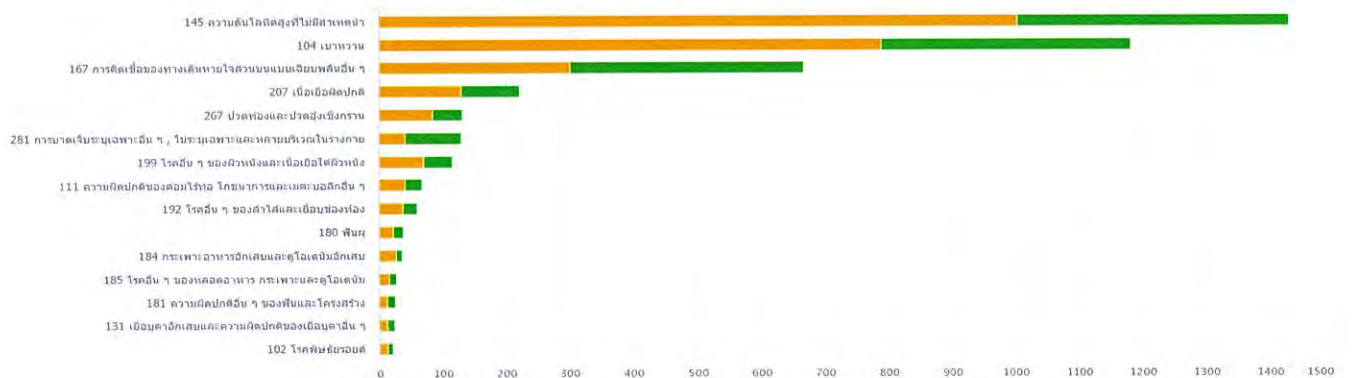


ที่มา : กระทรวงสาธารณสุข, 2565

โรงพยาบาลส่งเสริมสุขภาพตำบลบ้านบ่อวิน ปีงบประมาณ 2565

| ชื่อกลุ่ม(298โรค) | ชาย | หญิง | รวม |
|--|-------|-------|-------|
| 145 ความดันโลหิตสูงที่ไม่มีสาเหตุ | 426 | 1002 | 1428 |
| 104 เบาหวาน | 393 | 788 | 1181 |
| 167 การติดเชื้อของทางเดินหายใจส่วนบนแบบเฉียบพลันอื่น ๆ | 365 | 301 | 666 |
| 207 เนื้อเยื่อผิดปกติ | 92 | 129 | 221 |
| 267 ปวดท้องและปวดอุ้งเชิงกราน | 47 | 83 | 130 |
| 281 การบาดเจ็บเฉพาะอื่น ๆ , ไม่ระบุเฉพาะและหลายบริเวณในร่างกาย | 88 | 40 | 128 |
| 199 โรคอื่น ๆ ของผิวหนังและเนื้อเยื่อใต้ผิวหนัง | 45 | 70 | 115 |
| 111 ความผิดปกติของต่อมไร้ท่อ โภชนาการและเมตาบอลิกอื่น ๆ | 27 | 40 | 67 |
| 192 โรคอื่น ๆ ของลำไส้และเยื่อช่องท้อง | 22 | 37 | 59 |
| 180 ฟันผุ | 16 | 21 | 37 |
| 184 ภาวะขาดอาหารอักเสบและดูโอเดนิมอักเสบ | 9 | 27 | 36 |
| 185 โรคอื่น ๆ ของหลอดอาหาร กระเพาะและดูโอเดนิม | 11 | 15 | 26 |
| 181 ความผิดปกติอื่น ๆ ของฟันและโครงสร้าง | 12 | 13 | 25 |
| 131 เยื่อตาอักเสบและความผิดปกติของเยื่อตาอื่น ๆ | 10 | 13 | 23 |
| 102 โรคพิษภัยร่าย | 7 | 13 | 20 |
| รวม | 1,570 | 2,592 | 4,162 |

สาเหตุการป่วยของผู้ป่วยนอกตามกลุ่มโรค 10 อันดับแรก จังหวัดชลบุรี อำเภอศรีราชา โรงพยาบาลส่งเสริมสุขภาพตำบลบ้านบ่อวิน ปี 2565



ที่มา : กระทรวงสาธารณสุข, 2565

ภาคผนวก ข-44

เอกสารการจัดทำฐานข้อมูลสุขภาพของพนักงาน
ตั้งแต่เริ่มทำงาน-ปัจจุบัน

ประวัติการเจ็บป่วย

1. เคยป่วยเป็นโรคหรือมีภาวะโรค

- 1.1 เมื่อปี พ.ศ.
 1.2 เมื่อปี พ.ศ.
 1.3 เมื่อปี พ.ศ.

2. มีโรคประจำตัวหรือโรคเรื้อรังหรือไม่

- ☒ ไม่มี ☐ มี ระบุ

3. เคยได้รับการผ่าตัดหรือไม่

- ☒ ไม่เคย ☐ เคย ระบุ

4. เคยได้รับภูมิคุ้มกันโรค วัคซีนเกิดโรครุนแรง หรือเพื่อป้องกันโรคติดต่อหรือไม่

- ☒ ไม่เคย ☐ เคย ระบุ

5. ประวัติ การเจ็บป่วยของสมาชิกในครอบครัว (เช่น มะเร็ง โลหิตจาง วัณโรค เบาหวาน หอบหืด ภูมิแพ้ เป็นต้น)

- ☒ ไม่มี ☐ มี ระบุความสัมพันธ์และโรค

- 5.1 ความสัมพันธ์ โรค
 5.2 ความสัมพันธ์ โรค
 5.3 ความสัมพันธ์ โรค

6. ปัจจุบันมียาที่จำเป็นต้องรับประทานเป็นประจำหรือไม่

- ☒ ไม่มี ☐ มี ระบุ

7. มีประวัติการแพ้ยาหรือไม่

- ☒ ไม่มี ☐ มี ระบุ

8. เคยสูบบุหรี่บ้างหรือไม่

- ☒ ไม่เคย
☐ เคยและปัจจุบันยังสูบบุหรี่อยู่ปริมาณ นวน/วัน
☐ เคยแต่เลิกแล้ว ระยะที่สูบบุหรี่นาน ปี เดือน
 ปริมาณขณะก่อนเลิก นวน/วัน

9. เคยดื่มสุรา เบียร์ หรือเครื่องดื่มที่มีแอลกอฮอล์บ้างหรือไม่

- ☒ ไม่เคย ☐ โดยปกติดื่มน้อยกว่า 1 ครั้งต่อสัปดาห์
☐ ดื่ม 1 ครั้ง ต่อสัปดาห์ ☐ ดื่ม 2-3 ครั้งต่อสัปดาห์
☐ ดื่มมากกว่า 3 ครั้งต่อสัปดาห์
☐ เคยแต่เลิกแล้วระยะเวลาที่ดื่มมานาน ปี เดือน

10. เคยเสพยาเสพติดหรือสารเสพติดใดๆบ้างหรือไม่

- ☒ ไม่เคย ☐ เคย ระบุ

11. ข้อมูลทางสุขภาพอื่นๆที่เป็นประโยชน์

.....

การตรวจสุขภาพ

ครั้งที่ ..2550.....

- ☐ ตรวจครั้งแรก ☐ ตรวจเมื่อเปลี่ยนงาน
☒ ตรวจประจำปี ☐ ตรวจเมื่อมีความจำเป็น

วันที่ตรวจสุขภาพ 19 ตุลาคม 2550.....

ชื่อแพทย์ผู้ตรวจ นพ. ทินิจ อัสวเสงวิรัตน์.....

เลขที่ใบประกอบวิชาชีพเวชกรรม

ชื่อหน่วยงานที่ตรวจสุขภาพ โรงพยาบาลกรุงเทพ ระบุของ.....

ตั้งอยู่เลขที่ ..8..... หมู่ที่ ..2..... ถนน แสงจันทร์เนรมิต.....

ตำบล (แขวง) เนินพระ..... อำเภอ (เขต) เมือง.....

จังหวัด ระบุของ..... โทรศัพท์ 038-921999.....

1. ตรวจสุขภาพทั่วไป

1.1 ผลตรวจเบื้องต้น

น้ำหนัก49.0..... กิโลกรัม ความสูง160.0..... เซนติเมตร
 คั่งน้ำมูก19.14..... ความดันโลหิต90/50..... mm.Hg
 ชีพจร60..... ครั้ง/นาที

1.2 ผลการตรวจร่างกายตามระบบ

- ☐ ปกติ ☒ ผิดปกติ ระบุ น้ำหนักน้อยกว่าเกณฑ์มาตรฐาน

.....

1.3 ผลการตรวจทางห้องปฏิบัติการ

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2. ตรวจสุขภาพตามปัจจัยเสี่ยงของงาน

2.1 ปัจจัยเสี่ยง เสียงดัง.....

ผลการตรวจ สมรรถภาพการได้ยิน พหูวาและหูซ้ายได้ยินปกติ

2.2 ปัจจัยเสี่ยง

ผลการตรวจ

2.3 ปัจจัยเสี่ยง

ผลการตรวจ

2.4 ปัจจัยเสี่ยง

ผลการตรวจ

2.5 ปัจจัยเสี่ยง

ผลการตรวจ

2.6 ปัจจัยเสี่ยง

ผลการตรวจ

2.7 ปัจจัยเสี่ยง

ผลการตรวจ

การตรวจสุขภาพ

ครั้งที่ ...2551.....

- ☐ ตรวจครั้งแรก ☐ ตรวจเมื่อเปลี่ยนงาน
☒ ตรวจประจำปี ☐ ตรวจเฝ้าระวังตามความจำเป็น

วันที่ตรวจสุขภาพ 17 ตุลาคม 2551.....

ชื่อแพทย์ผู้ตรวจ พญ. นัตติมา ไวยยานันต์

เลขที่ใบประกอบวิชาชีพเวชกรรม ว. 32272

ชื่อหน่วยงานที่ตรวจสุขภาพ โรงพยาบาลกรุงเทพ ระยอง.....

ตั้งอยู่เลขที่8..... หมู่ที่2..... ถนน แสงจันทร์นวมิต.....

ตำบล (แขวง) เนินพระ..... อำเภอ (เขต) เมือง.....

จังหวัด ระยอง..... โทรศัพท์ 038-921999.....

1. ตรวจสุขภาพทั่วไป

1.1 ผลตรวจเบื้องต้น

น้ำหนัก45.0..... กิโลกรัม ความสูง160.0..... เซนติเมตร

ดัชนีมวลกาย17.58..... ความดันโลหิต120/80..... mm.Hg

ชีพจร78..... ครั้ง/นาที

1.2 ผลการตรวจร่างกายตามระบบ

☐ ปกติ ☒ ผิดปกติ ระบุ น้ำหนักน้อยกว่าเกณฑ์มาตรฐาน

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1.3 ผลการตรวจทางห้องปฏิบัติการ

2. ตรวจสุขภาพตามปัจจัยเสี่ยงของงาน

2.1 ปัจจัยเสี่ยง เสียงดัง.....

ผลการตรวจ สมรรถภาพการได้ยิน ขูชาและหูซ้ายได้ยินปกติ

2.2 ปัจจัยเสี่ยง เข็มหรือวัตถุที่คมมาตาม.....

ผลการตรวจ ปกติ

2.3 ปัจจัยเสี่ยง

ผลการตรวจ

2.4 ปัจจัยเสี่ยง

ผลการตรวจ

2.5 ปัจจัยเสี่ยง

ผลการตรวจ

2.6 ปัจจัยเสี่ยง

ผลการตรวจ

2.7 ปัจจัยเสี่ยง

ผลการตรวจ

การตรวจสุขภาพ

ครั้งที่ ...2552.....

- ☐ ตรวจครั้งแรก ☐ ตรวจเมื่อเปลี่ยนงาน
☒ ตรวจประจำปี ☐ ตรวจเฝ้าระวังตามความจำเป็น

วันที่ตรวจสุขภาพ 20 ตุลาคม 2552.....

ชื่อแพทย์ผู้ตรวจ นพ.พินิจ อัสวแสงรัตน์

เลขที่ใบประกอบวิชาชีพเวชกรรม ว. 20116

ชื่อหน่วยงานที่ตรวจสุขภาพ โรงพยาบาลกรุงเทพ ระยอง.....

ตั้งอยู่เลขที่8..... หมู่ที่2..... ถนน แสงจันทร์นวมิต.....

ตำบล (แขวง) เนินพระ..... อำเภอ (เขต) เมือง.....

จังหวัด ระยอง..... โทรศัพท์ 038-921999.....

3. ตรวจสุขภาพทั่วไป

3.1 ผลตรวจเบื้องต้น

น้ำหนัก48.0..... กิโลกรัม ความสูง160.0..... เซนติเมตร

ดัชนีมวลกาย18.75..... ความดันโลหิต120/70..... mm.Hg

ชีพจร80..... ครั้ง/นาที

3.2 ผลการตรวจร่างกายตามระบบ

☒ ปกติ ☐ ผิดปกติ ระบุ

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3.3 ผลการตรวจทางห้องปฏิบัติการ

4. ตรวจสุขภาพตามปัจจัยเสี่ยงของงาน

4.1 ปัจจัยเสี่ยง เสียงดัง.....

ผลการตรวจ สมรรถภาพการได้ยิน ขูชาได้ยินปกติ และหูซ้ายอยู่ในเกณฑ์เฝ้าระวัง.....

4.2 ปัจจัยเสี่ยง เข็มหรือวัตถุที่คมมาตาม.....

ผลการตรวจ ปกติ

4.3 ปัจจัยเสี่ยง

ผลการตรวจ

4.4 ปัจจัยเสี่ยง

ผลการตรวจ

4.5 ปัจจัยเสี่ยง

ผลการตรวจ

4.6 ปัจจัยเสี่ยง

ผลการตรวจ

4.7 ปัจจัยเสี่ยง

ผลการตรวจ

การตรวจสุขภาพ

ครั้งที่ ...2553.....

- ☐ ตรวจครั้งแรก ☐ ตรวจเมื่อเปลี่ยนงาน
☒ ตรวจประจำปี ☐ ตรวจเฝ้าระวังความจำเป็น

วันที่ตรวจสุขภาพ 10 พฤศจิกายน 2553.....

ชื่อแพทย์ผู้ตรวจ นพ.วิรัช เมืองใจ

เลขที่ใบประกอบวิชาชีพเวชกรรม ว. 32338

ชื่อหน่วยงานที่ตรวจสุขภาพ โรงพยาบาลกรุงเทพ ระยอง.....

ตั้งอยู่เลขที่8..... หมู่ที่2..... ถนน แสงจันทร์เนรมิต.....

ตำบล (แขวง) เนินพระ..... อำเภอ (เขต) เมือง.....

จังหวัด ระยอง..... โทรศัพท์ 038-921999.....

5. ตรวจสุขภาพทั่วไป

5.1 ผลตรวจเบื้องต้น

น้ำหนัก48.0..... กิโลกรัม ความสูง160.0..... เซนติเมตร

ดัชนีมวลกาย18.75..... ความดันโลหิต109/83..... mm.Hg

ชีพจร76..... ครั้ง/นาที

5.2 ผลการตรวจร่างกายตามระบบ

☒ ปกติ ☐ ผิดปกติ ระบุ

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5.3 ผลการตรวจทางห้องปฏิบัติการ

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.....
.....

6. ตรวจสุขภาพตามปัจจัยเสี่ยงของงาน

6.1 ปัจจัยเสี่ยง เสียงดัง.....

ผลการตรวจ สมรรถภาพการได้ยิน หูขวาได้ยินปกติ และหูซ้ายอยู่ในเกณฑ์เฝ้าระวัง...

6.2 ปัจจัยเสี่ยง เข็มเย็บปักด้วยพินมาตรฐาน

ผลการตรวจ ปกติ

6.3 ปัจจัยเสี่ยง

ผลการตรวจ

6.4 ปัจจัยเสี่ยง

ผลการตรวจ

6.5 ปัจจัยเสี่ยง

ผลการตรวจ

6.6 ปัจจัยเสี่ยง

ผลการตรวจ

6.7 ปัจจัยเสี่ยง

ผลการตรวจ

การตรวจสุขภาพ

ครั้งที่ ...2554.....

- ☐ ตรวจครั้งแรก ☐ ตรวจเมื่อเปลี่ยนงาน
☒ ตรวจประจำปี ☐ ตรวจเฝ้าระวังความจำเป็น

วันที่ตรวจสุขภาพ 30 ตุลาคม 2554.....

ชื่อแพทย์ผู้ตรวจ พญ.ปิยาภรณ์ กิตติคุณ

เลขที่ใบประกอบวิชาชีพเวชกรรม ว. 37762

ชื่อหน่วยงานที่ตรวจสุขภาพ โรงพยาบาลกรุงเทพ ระยอง.....

ตั้งอยู่เลขที่8..... หมู่ที่2..... ถนน แสงจันทร์เนรมิต.....

ตำบล (แขวง) เนินพระ..... อำเภอ (เขต) เมือง.....

จังหวัด ระยอง..... โทรศัพท์ 038-921999.....

7. ตรวจสุขภาพทั่วไป

7.1 ผลตรวจเบื้องต้น

น้ำหนัก48.0..... กิโลกรัม ความสูง160.0..... เซนติเมตร

ดัชนีมวลกาย18.75..... ความดันโลหิต98/64..... mm.Hg

ชีพจร73..... ครั้ง/นาที

7.2 ผลการตรวจร่างกายตามระบบ

☒ ปกติ ☐ ผิดปกติ ระบุ

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7.3 ผลการตรวจทางห้องปฏิบัติการ

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.....
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8. ตรวจสุขภาพตามปัจจัยเสี่ยงของงาน

8.1 ปัจจัยเสี่ยง เสียงดัง.....

ผลการตรวจ สมรรถภาพการได้ยิน หูขวาได้ยินปกติ และหูซ้ายอยู่ในเกณฑ์เฝ้าระวัง...

8.2 ปัจจัยเสี่ยง เข็มเย็บปักด้วยพินมาตรฐาน

ผลการตรวจ ปกติ

8.3 ปัจจัยเสี่ยง

ผลการตรวจ

8.4 ปัจจัยเสี่ยง

ผลการตรวจ

8.5 ปัจจัยเสี่ยง

ผลการตรวจ

8.6 ปัจจัยเสี่ยง

ผลการตรวจ

8.7 ปัจจัยเสี่ยง

ผลการตรวจ

การตรวจสุขภาพ

ครั้งที่ ...2555.....

- ☐ ตรวจครั้งแรก ☐ ตรวจเมื่อเปลี่ยนงาน
☒ ตรวจประจำปี ☐ ตรวจเฝ้าระวังตามความจำเป็น

วันที่ตรวจสุขภาพ 30 กันยายน 2555.....

ชื่อแพทย์ผู้ตรวจ นพ. พิณิจ อัครแสงรัตน์.....

เลขที่ใบประกอบวิชาชีพเวชกรรม ว.20116.....

ชื่อหน่วยงานที่ตรวจสุขภาพ โรงพยาบาลกรุงเทพ ระยอง.....

ตั้งอยู่เลขที่8..... หมู่ที่2..... ถนน แสงจันทร์เนรมิต.....

ตำบล (แขวง) เนินพระ..... อำเภอ (เขต) เมือง.....

จังหวัด ระยอง..... โทรศัพท์ 038-921999.....

1. ตรวจสุขภาพทั่วไป

1.1 ผลตรวจเบื้องต้น

น้ำหนัก49.6..... กิโลกรัม ความสูง161.0..... เซนติเมตร
 ดัชนีมวลกาย19.14..... ความดันโลหิต106/72..... mm.Hg
 ชีพจร73..... ครั้ง/นาที

1.2 ผลการตรวจร่างกายตามระบบ

☒ ปกติ ☐ ผิดปกติ ระบุ

.....อยู่ในเกณฑ์ปกติ.....

1.3 ผลการตรวจทางห้องปฏิบัติการ

2. ตรวจสุขภาพตามปัจจัยเสี่ยงของงาน

2.1 ปัจจัยเสี่ยง เสียงดัง.....

ผลการตรวจ สมรรถภาพการได้ยิน ขูขวาได้ยินปกติ และหูซ้ายอยู่ในเกณฑ์เฝ้าระวัง...

2.2 ปัจจัยเสี่ยง เชื้อแบคทีเรียก่อโรค.....

ผลการตรวจ ปกติ

2.3 ปัจจัยเสี่ยง ผลการตรวจ

2.4 ปัจจัยเสี่ยง ผลการตรวจ

2.5 ปัจจัยเสี่ยง ผลการตรวจ

2.6 ปัจจัยเสี่ยง ผลการตรวจ

2.7 ปัจจัยเสี่ยง ผลการตรวจ

การตรวจสุขภาพ

ครั้งที่ ...2556.....

- ☐ ตรวจครั้งแรก ☐ ตรวจเมื่อเปลี่ยนงาน
☒ ตรวจประจำปี ☐ ตรวจเฝ้าระวังตามความจำเป็น

วันที่ตรวจสุขภาพ17-28..มีนาคม..2556.....

ชื่อแพทย์ผู้ตรวจ นพ.สุทิน อุทธิเดช.....

เลขที่ใบประกอบวิชาชีพเวชกรรม 24068.....

ชื่อหน่วยงานที่ตรวจสุขภาพ โรงพยาบาลพญาไท ศรีราชา.....

ตั้งอยู่เลขที่90..... หมู่ที่ ถนน..ศรีราชานคร3.....

ตำบล (แขวง)ศรีราชา..... อำเภอ (เขต)ศรีราชา.....

จังหวัด ระยอง..... โทรศัพท์ 038-317333.....

1. ตรวจสุขภาพทั่วไป

1.1 ผลตรวจเบื้องต้น

น้ำหนัก49.6..... กิโลกรัม ความสูง161.0..... เซนติเมตร
 ดัชนีมวลกาย18.9..... ความดันโลหิต110/70..... mm.Hg
 ชีพจร73..... ครั้ง/นาที

1.2 ผลการตรวจร่างกายตามระบบ

☒ ปกติ ☐ ผิดปกติ ระบุ

.....อยู่ในเกณฑ์ปกติ.....

1.3 ผลการตรวจทางห้องปฏิบัติการ

- ผลการตรวจเอกซเรย์ทรวงอก(CXR).....ปกติ
- ผลการตรวจคลื่นหัวใจไฟฟ้า(EKG).....ปกติ
- ผลการตรวจความสมบูรณ์ของเม็ดเลือด(CBC).....เม็ดเลือดแดงมีขนาดเล็ก
- ผลการตรวจบิสฟอสเฟตแบบ(UA).....ปกติ
- ผลการตรวจระดับน้ำตาลในเลือด(FBS).....ระดับน้ำตาลในเลือดต่ำกว่าปกติ
- ผลการตรวจระดับไขมันในเลือด(Cholesterol).....ปกติ
- ผลการตรวจระดับไขมันในเลือด(Triglyceride).....ปกติ
- ผลการตรวจระดับไขมันในเลือดชนิด(HDL).....ปกติ
- ผลการตรวจระดับไขมันในเลือดชนิดไม่ดี(LDL).....ปกติ
- ผลการตรวจการทำงานของตับ.....ปกติ
- ผลการตรวจการทำงานของไต(BUN,Creatinine)....ปกติ
- ผลการตรวจระดับกรดยูริกในเลือด(Uric acid).....ปกติ
- ผลการตรวจหาเชื้อไวรัสตับอักเสบบี(HBs Ag).....ปกติ
- ผลการตรวจหาภูมิคุ้มกันเชื้อไวรัสตับอักเสบบี(Anti HBs).....ปกติ
- ผลการตรวจหาภูมิคุ้มกันเชื้อไวรัสตับอักเสบบี(Anti HBe).....เคยได้รับเชื้อไวรัสตับอักเสบบี
- ผลการตรวจสมรรถภาพปอด(PFT).....ปกติ
- ผลการตรวจสมรรถภาพการได้ยิน(Audiogram).....ปกติ
- ผลการตรวจสมรรถภาพสายตาและตาบอดสี(vision Test and Colour Blindness).....ผิดปกติ
- ผลการตรวจวัดความดันโลหิต(Blood Pressure).....ปกติ

2. ตรวจสุขภาพตามปัจจัยเสี่ยงของงาน

- 2.1 ปัจจัยเสี่ยง เบี่ยงคั่ง.....
ผลการตรวจ สมรรถภาพการได้ยิน ขูขวไค้ด้นปกติ และขูขวไค้ด้นปกติในเกณฑ์การระวัง...
- 2.2 ปัจจัยเสี่ยง เอ็กซเรย์ปอดด้วยฟิล์มมาตรฐาน
ผลการตรวจ ปกติ
- 2.3 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.4 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.5 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.6 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.7 ปัจจัยเสี่ยง
ผลการตรวจ

การตรวจสุขภาพ

ครั้งที่...2557.....

- ☐ ตรวจครั้งแรก ☐ ตรวจเมื่อเปลี่ยนงาน
☒ ตรวจประจำปี ☐ ตรวจเฝ้าระวังตามความจำเป็น

วันที่ตรวจสุขภาพ8.เมษายน..2557.....

ชื่อแพทย์ผู้ตรวจ นพ. ธเนศ เจริญสุข.....

เลขที่ใบประกอบวิชาชีพเวชกรรม 2.32739.....

ชื่อหน่วยงานที่ตรวจสุขภาพ โรงพยาบาลพญาไท ศรีราชา.....

ตั้งอยู่เลขที่90..... หมู่ที่ ถนน..ศรีราชานคร3.....

ตำบล (แขวง)ศรีราชา..... อำเภอ (เขต)ศรีราชา.....

จังหวัด ระยอง..... โทรศัพท์ 038-317333.....

1. ตรวจสุขภาพทั่วไป

1.1 ผลตรวจเบื้องต้น

น้ำหนัก50..... กิโลกรัม ความสูง ..163.0..... เซนติเมตร
ดัชนีมวลกาย18.82..... ความดันโลหิต110/70..... mm.Hg
ชีพจร74..... ครั้ง/นาที

1.2 ผลการตรวจร่างกายตามระบบ

☒ ปกติ ☐ ผิดปกติ ระบุ

.....อยู่ในเกณฑ์ปกติ.....
.....
.....

1.3 ผลการตรวจทางห้องปฏิบัติการ

- ผลการตรวจเอกซเรย์ทรวงอก(CXR).....ปกติ
- ผลการตรวจคลื่นหัวใจไฟฟ้า(EKG).....ปกติ
- ผลการตรวจความสมบูรณ์ของเม็ดเลือด(CBC).....เม็ดเลือดแดงมีขนาดเล็ก
- ผลการตรวจปัสสาวะแบบธรรมดา(UA).....ปกติ
- ผลการตรวจระดับน้ำตาลในเลือด(FBS).....ระดับน้ำตาลในเลือดปกติ
- ผลการตรวจระดับไขมันในเลือด(Cholesterol).....ปกติ
- ผลการตรวจระดับไขมันในเลือด(Triglyceride).....ปกติ
- ผลการตรวจระดับไขมันในเลือดชนิดดี(HDL).....ปกติ
- ผลการตรวจระดับไขมันในเลือดชนิดไม่ดี(LDL).....พอใช้
- ผลการตรวจการทำงานของตับ.....ปกติ
- ผลการตรวจการทำงานของไต(BUN,Creatinine).....ปกติ
- ผลการตรวจระดับกรดยูริกในเลือด(Uric acid).....ปกติ
- ผลการตรวจหาเชื้อไวรัสตับอักเสบบี(HBs Ag).....ปกติ
- ผลการตรวจหาภูมิคุ้มกันเชื้อไวรัสตับอักเสบบี(Anti HBs).....ปกติ
- ผลการตรวจหาภูมิคุ้มกันเชื้อไวรัสตับอักเสบบี(Anti HBe).....เคยได้รับเชื้อไวรัสตับอักเสบบี
- ผลการตรวจสมรรถภาพปอด(PFT).....ปกติ
- ผลการตรวจสมรรถภาพการได้ยิน(Audiogram).....ปกติ
- ผลการตรวจสมรรถภาพสายตาและตาบอดสี(vision Test and Colour Blindness).....ผิดปกติ
- ควรสวมแว่นสายตา
- ผลการตรวจวัดความดันโลหิต(Blood Pressure).....ปกติ

2. ตรวจสุขภาพตามปัจจัยเสี่ยงของงาน

- 2.1 ปัจจัยเสี่ยง เบี่ยงคั่ง.....
ผลการตรวจ สมรรถภาพการได้ยิน ขูขวไค้ด้นปกติ และขูขวไค้ด้นปกติในเกณฑ์การระวัง...
- 2.2 ปัจจัยเสี่ยง เอ็กซเรย์ปอดด้วยฟิล์มมาตรฐาน
ผลการตรวจปกติ
- 2.3 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.4 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.5 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.6 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.7 ปัจจัยเสี่ยง
ผลการตรวจ

การตรวจสุขภาพ

ครั้งที่ ...2558.....

- ☐ ตรวจครั้งแรก ☐ ตรวจเมื่อเปลี่ยนงาน
☒ ตรวจประจำปี ☐ ตรวจเฝ้าระวังความจำเป็น

วันที่ตรวจสุขภาพ27 มีนาคม 2558.....

ชื่อแพทย์ผู้ตรวจ นพ.ธนศ เจริญสุข.....

เลขที่ใบประกอบวิชาชีพเวชกรรม ว. 32739.....

ชื่อหน่วยงานที่ตรวจสุขภาพ โรงพยาบาลพญาไท ศรีราชา.....

ตั้งอยู่เลขที่90..... หมู่ที่ ถนน..ศรีราชานคร3.....

ตำบล (แขวง)ศรีราชา..... อำเภอ (เขต)ศรีราชา.....

จังหวัด ระยอง..... โทรศัพท์ 038-317333.....

1. ตรวจสุขภาพทั่วไป

1.1 ผลตรวจเบื้องต้น

น้ำหนัก50.60..... กิโลกรัม ความสูง ...160.0..... เซนติเมตร

ดัชนีมวลกาย19.77..... ความดันโลหิต112/74..... mm.Hg

ชีพจร98..... ครั้ง/นาที

1.2 ผลการตรวจร่างกายตามระบบ

☒ ปกติ ☐ ผิดปกติ ระบุ

.....อยู่ในเกณฑ์ปกติ.....

.....

1.3 ผลการตรวจทางห้องปฏิบัติการ

-ผลการตรวจเอกซเรย์ทรวงอก(CXR).....ปกติ

-ผลการตรวจคลื่นหัวใจไฟฟ้า(EKG).....ปกติ

-ผลการตรวจความสมบูรณ์ของเม็ดเลือด(CBC).....ปกติ

-ผลการตรวจปัสสาวะสมบูรณ์แบบ(UA).....ปกติ

-ผลการตรวจระดับน้ำตาลในเลือด(FBS).....ปกติ

-ผลการตรวจระดับไขมันในเลือด(Cholesterol).....ปกติ

-ผลการตรวจระดับไขมันในเลือด(Triglyceride).....ปกติ

-ผลการตรวจระดับไขมันในเลือดชนิด(HDL).....ปกติ

-ผลการตรวจระดับไขมันในเลือดชนิดไม่ดี(LDL).....ปกติ

-ผลการตรวจการทำงานของตับ.....ปกติ

-ผลการตรวจการทำงานของไต(BUN,Creatinine).....ปกติ

-ผลการตรวจระดับกรดยูริกในเลือด(Uric acid).....ปกติ

-ผลการตรวจหาเชื้อไวรัสตับอักเสบบี(HBs Ag).....ปกติ

-ผลการตรวจหาภูมิคุ้มกันเชื้อไวรัสตับอักเสบบี(Anti HBs).....ปกติ

-ผลการตรวจหาภูมิคุ้มกันเชื้อไวรัสตับอักเสบบี(Anti HBe).....เคยได้รับเชื้อไวรัสตับอักเสบบี

-ผลการตรวจสมรรถภาพปอด(PFT).....ปกติ

-ผลการตรวจสมรรถภาพการได้ยิน(Audiogram).....ปกติ

-ผลการตรวจสมรรถภาพสายตาและตาบอดสี(vision Test and Colour Blindness).....ผิดปกติ

การสวมแว่นสายตา

-ผลการตรวจวัดความดันโลหิต(Blood Pressure).....ปกติ

2. ตรวจสุขภาพตามปัจจัยเสี่ยงของงาน

2.1 ปัจจัยเสี่ยง เสียงดัง.....

ผลการตรวจ สมรรถภาพการได้ยิน พูซวาได้ยินปกติ และพูซวาอยู่ในเกณฑ์เฝ้าระวัง..

2.2 ปัจจัยเสี่ยง เข็มหรือวัตถุที่แหลมคม.....

ผลการตรวจปกติ.....

2.3 ปัจจัยเสี่ยง

ผลการตรวจ

2.4 ปัจจัยเสี่ยง

ผลการตรวจ

2.5 ปัจจัยเสี่ยง

ผลการตรวจ

2.6 ปัจจัยเสี่ยง

ผลการตรวจ

2.7 ปัจจัยเสี่ยง

ผลการตรวจ

การตรวจสุขภาพ

ครั้งที่ ...2559.....

- ☐ ตรวจครั้งแรก ☐ ตรวจเมื่อเปลี่ยนงาน
☒ ตรวจประจำปี ☐ ตรวจเฝ้าระวังความจำเป็น

วันที่ตรวจสุขภาพ29 มีนาคม 2559.....

ชื่อแพทย์ผู้ตรวจ นพ.ธนศ เจริญสุข.....

เลขที่ใบประกอบวิชาชีพเวชกรรม ว. 32739.....

ชื่อหน่วยงานที่ตรวจสุขภาพ โรงพยาบาลพญาไท ศรีราชา.....

ตั้งอยู่เลขที่90..... หมู่ที่ ถนน..ศรีราชานคร3.....

ตำบล (แขวง)ศรีราชา..... อำเภอ (เขต)ศรีราชา.....

จังหวัด ระยอง..... โทรศัพท์ 038-317333.....

1. ตรวจสุขภาพทั่วไป

1.1 ผลตรวจเบื้องต้น

น้ำหนัก52.30..... กิโลกรัม ความสูง ...160.0..... เซนติเมตร

ดัชนีมวลกาย20.43..... ความดันโลหิต110/70..... mm.Hg

ชีพจร74..... ครั้ง/นาที

1.2 ผลการตรวจร่างกายตามระบบ

☒ ปกติ ☐ ผิดปกติ ระบุ

.....อยู่ในเกณฑ์ปกติ.....

.....

1.3 ผลการตรวจทางห้องปฏิบัติการ

- ผลการตรวจเอกซเรย์ทรวงอก(CXR).....ปกติ
- ผลการตรวจคลื่นหัวใจไฟฟ้า(EKG).....ปกติ
- ผลการตรวจความสมบูรณ์ของเม็ดเลือด(CBC).....เม็ดเลือดแดงมีขนาดเล็กลง อาจเกิดจากการขาดธาตุเหล็ก หรือเป็นพาหะของธาลัสซีเมีย
- ผลการตรวจปัสสาวะสมบูรณ์แบบ(UA).....ปกติ
- ผลการตรวจระดับน้ำตาลในเลือด(FBS).....ปกติ
- ผลการตรวจระดับไขมันในเลือด(Cholesterol).....สูง
- ผลการตรวจระดับไขมันในเลือด(Triglyceride).....ปกติ
- ผลการตรวจระดับไขมันในเลือดชนิดดี(HDL).....ปกติ
- ผลการตรวจระดับไขมันในเลือดชนิดไม่ดี(LDL).....สูงกว่าปกติ
- ผลการตรวจการทำงานของไต(BUN,Creatinine).....ปกติ
- ผลการตรวจระดับกรดยูริกในเลือด(Uric acid).....ปกติ
- ผลการตรวจหาเชื้อไวรัสตับอักเสบบี(HBs Ag).....ปกติ
- ผลการตรวจหาภูมิคุ้มกันเชื้อไวรัสตับอักเสบบี(Anti HBs).....ปกติ
- ผลการตรวจหาภูมิคุ้มกันเชื้อไวรัสตับอักเสบบี(Anti HBe).....เคยได้รับเชื้อไวรัสตับอักเสบบี
- ผลการตรวจสมรรถภาพปอด(PFT).....ปกติ
- ผลการตรวจสมรรถภาพการได้ยิน(Audiogram).....ปกติ
- ผลการตรวจสมรรถภาพสายตาและตาบอดสี(vision Test and Colour Blindness).....สายตาเห็น-125 ทั้ง 2 ข้าง
- ผลการตรวจวัดความดันโลหิต(Blood Pressure).....ปกติ

2. ตรวจสุขภาพตามปัจจัยเสี่ยงของงาน

- 2.1 ปัจจัยเสี่ยง เสียงดัง.....
ผลการตรวจ สมรรถภาพการได้ยิน ขูขวาและซ้ายได้ยินปกติ
- 2.2 ปัจจัยเสี่ยง เชื้อกษัยปอดด้วยฟิล์มมาตรฐาน
ผลการตรวจปกติ
- 2.3 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.4 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.5 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.6 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.7 ปัจจัยเสี่ยง
ผลการตรวจ

การตรวจสุขภาพ

ครั้งที่ ...2560.....

- ☐ ตรวจครั้งแรก ☐ ตรวจเมื่อเปลี่ยนงาน
- ☒ ตรวจประจำปี ☐ ตรวจเฝ้าระวังความจำเป็น

วันที่ตรวจสุขภาพ7 มีนาคม..2560.....

ชื่อแพทย์ผู้ตรวจ นพ.ธนศ เจริญสุข.....

เลขที่ใบประกอบวิชาชีพเวชกรรม ว. 32739.....

ชื่อหน่วยงานที่ตรวจสุขภาพ โรงพยาบาลพญาไท ศรีราชา.....

ตั้งอยู่ที่90..... หมู่ที่ ถนน.....ศรีราชานคร3.....

ตำบล (แขวง)ศรีราชา..... อำเภอ (เขต)ศรีราชา.....

จังหวัด ระยอง..... โทรศัพท์ 038-317333.....

1. ตรวจสุขภาพทั่วไป

1.1 ผลตรวจเบื้องต้น

น้ำหนัก55..... กิโลกรัม ความสูง160.0..... เซนติเมตร
ดัชนีมวลกาย21.48..... ความดันโลหิต112/70..... mm.Hg
ชีพจร72..... ครั้ง/นาที

1.2 ผลการตรวจร่างกายตามระบบ

☒ ปกติ ☐ ผิดปกติ ระบุ

.....อยู่ในเกณฑ์ปกติ.....

.....

.....

1.3 ผลการตรวจทางห้องปฏิบัติการ

- ผลการตรวจเอกซเรย์ทรวงอก(CXR).....ปกติ
- ผลการตรวจคลื่นหัวใจไฟฟ้า(EKG).....ปกติ
- ผลการตรวจความสมบูรณ์ของเม็ดเลือด(CBC).....ปกติ
- ผลการตรวจปัสสาวะสมบูรณ์แบบ(UA).....ปกติ
- ผลการตรวจระดับน้ำตาลในเลือด(FBS).....ปกติ
- ผลการตรวจระดับไขมันในเลือด(Cholesterol).....สูง
- ผลการตรวจระดับไขมันในเลือด(Triglyceride).....ปกติ
- ผลการตรวจระดับไขมันในเลือดชนิดดี(HDL).....ปกติ
- ผลการตรวจระดับไขมันในเลือดชนิดไม่ดี(LDL).....สูงกว่าปกติ
- ผลการตรวจการทำงานของไต(BUN,Creatinine).....ปกติ
- ผลการตรวจระดับกรดยูริกในเลือด(Uric acid).....ปกติ
- ผลการตรวจหาเชื้อไวรัสตับอักเสบบี(HBs Ag).....ปกติ
- ผลการตรวจหาภูมิคุ้มกันเชื้อไวรัสตับอักเสบบี(Anti HBs).....ปกติ
- ผลการตรวจหาภูมิคุ้มกันเชื้อไวรัสตับอักเสบบี(Anti HBe).....เคยได้รับเชื้อไวรัสตับอักเสบบี
- ผลการตรวจสมรรถภาพปอด(PFT).....ปกติ
- ผลการตรวจสมรรถภาพการได้ยิน(Audiogram).....ปกติ
- ผลการตรวจสมรรถภาพสายตาและตาบอดสี(vision Test and Colour Blindness).....สายตาเห็น-125 ทั้ง 2 ข้าง
- ผลการตรวจวัดความดันโลหิต(Blood Pressure).....ปกติ

2. ตรวจสุขภาพตามปัจจัยเสี่ยงของงาน

- 2.1 ปัจจัยเสี่ยง เสียงดัง.....
ผลการตรวจ สมรรถภาพการได้ยิน ผู้ชายและผู้ชายได้ยินปกติ
- 2.2 ปัจจัยเสี่ยง เข็มหรือปลายเข็มที่สัมผัสผิวหนัง.....
ผลการตรวจปกติ
- 2.3 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.4 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.5 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.6 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.7 ปัจจัยเสี่ยง
ผลการตรวจ

การตรวจสุขภาพ

ครั้งที่ ...2561.....

- ☐ ตรวจครั้งแรก ☐ ตรวจเมื่อเปลี่ยนงาน
- ☒ ตรวจประจำปี ☐ ตรวจเฝ้าระวังตามความจำเป็น

วันที่ตรวจสุขภาพ5 มีนาคม 2561.....

ชื่อแพทย์ผู้ตรวจ แพทย์หญิงศิริมาศ อติเตนคำ.....

เลขที่ใบอนุญาตวิชาชีพเวชกรรม ว. 52248.....

ชื่อหน่วยงานที่ตรวจสุขภาพ โรงพยาบาลกรุงเทพ ระยอง.....

ตั้งอยู่เลขที่8..... หมู่ที่2..... ถนน.....แสงจันทร์นวมิตร.....

ตำบล (แขวง)เนินพระ..... อำเภอ (เขต)เมือง.....

จังหวัด ระยอง..... โทรศัพท์ 038-921999.....

1. ตรวจสุขภาพทั่วไป

1.1 ผลตรวจเบื้องต้น

น้ำหนัก52.1..... กิโลกรัม ความสูง160.0..... เซนติเมตร

ดัชนีมวลกาย20.35..... ความดันโลหิต105/71..... mm.Hg

ชีพจร81..... ครั้ง/นาที

1.2 ผลการตรวจร่างกายตามระบบ

- ☒ ปกติ ☐ ผิดปกติ ระบุ

.....อยู่ในเกณฑ์ปกติ.....

.....

.....

1.3 ผลการตรวจทางห้องปฏิบัติการ

- ผลการตรวจเอกซเรย์ทรวงอก(CXR).....ปกติ
- ผลการตรวจคลื่นหัวใจไฟฟ้า(EKG).....ปกติ
- ผลการตรวจความสมบูรณ์ของเม็ดเลือด(CBC).....ปกติ
- ผลการตรวจปัสสาวะสมบูรณ์แบบ(UA).....ปกติ
- ผลการตรวจระดับน้ำตาลในเลือด(FBS).....ปกติ
- ผลการตรวจระดับไขมันในเลือด(Cholesterol).....ปกติ
- ผลการตรวจระดับไขมันในเลือด(Triglyceride).....ปกติ
- ผลการตรวจระดับไขมันในเลือดชนิดดี(HDL).....ปกติ
- ผลการตรวจระดับไขมันในเลือดชนิดไม่ดี(LDL).....ปกติ
- ผลการตรวจการทำงานของตับ.....ปกติ
- ผลการตรวจการทำงานของไต(BUN,Creatinine).....ปกติ
- ผลการตรวจระดับกรดยูริกในเลือด(Uric acid).....ปกติ
- ผลการตรวจหาเชื้อไวรัสตับอักเสบบี(HBs Ag).....ปกติ
- ผลการตรวจหาภูมิคุ้มกันเชื้อไวรัสตับอักเสบบี(Anti HBs).....ปกติ
- ผลการตรวจหาภูมิคุ้มกันเชื้อไวรัสตับอักเสบบี(Anti HBc).....เคยได้รับเชื้อไวรัสตับอักเสบบี
- ผลการตรวจสมรรถภาพปอด(PFT).....ปกติ
- ผลการตรวจสมรรถภาพการได้ยิน(Audiogram).....การได้ยินลดลง
- ผลการตรวจสมรรถภาพสายตาและตาบอดสี(vision Test and Colour Blindness).....สายตา
- สั้น-125 ทั้ง 2 ข้าง
- ผลการตรวจวัดความดันโลหิต(Blood Pressure).....ปกติ

2. ตรวจสุขภาพตามปัจจัยเสี่ยงของงาน

- 2.1 ปัจจัยเสี่ยง เสียงดัง.....
ผลการตรวจ สมรรถภาพการได้ยิน ผู้ชายและผู้ชายได้ยินที่ความถี่ 1000 Hz, 6000 Hz และผู้ชาย
- สมรรถภาพการได้ยินลดลงที่ความถี่ 6000 Hz
- 2.2 ปัจจัยเสี่ยง เข็มหรือปลายเข็มที่สัมผัสผิวหนัง.....
ผลการตรวจปกติ
- 2.3 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.4 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.5 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.6 ปัจจัยเสี่ยง
ผลการตรวจ
- 2.7 ปัจจัยเสี่ยง
ผลการตรวจ

ภาคผนวก ค

เอกสารประกอบมาตรการติดตามตรวจสอบ

ผลกระทบสิ่งแวดล้อม

ภาคผนวก ค-1

ใบรับรองผลการตรวจวิเคราะห์

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 2286911

Date Received : Aug 09, 2022

Date Reported : Aug 18, 2022

Report Number: 2405989-1 Rev. No.1

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|------------------------|---|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Location | Moo 4 Wangtapin (A1) (GPS 47P 0733030, 1439337) | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | |
| Measurement Date | Aug 01, 2022 - Aug 08, 2022 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| Time | 2286911-1 Aug 01, 2022 | 2286911-2 Aug 02, 2022 | 2286911-3 Aug 03, 2022 | 2286911-4 Aug 04, 2022 | 2286911-5 Aug 05, 2022 | 2286911-6 Aug 06, 2022 | 2286911-7 Aug 07, 2022 |
| 09:00 AM - 10:00 AM | 0.004 | 0.012 | 0.014 | 0.011 | 0.007 | 0.005 | 0.004 |
| 10:00 AM - 11:00 AM | 0.007 | 0.008 | 0.011 | 0.004 | 0.004 | 0.005 | 0.002 |
| 11:00 AM - 12:00 PM | 0.006 | 0.010 | 0.005 | 0.001 | 0.002 | 0.005 | 0.003 |
| 12:00 PM - 01:00 PM | 0.011 | 0.010 | 0.003 | <0.001 | 0.001 | 0.003 | 0.002 |
| 01:00 PM - 02:00 PM | 0.007 | 0.004 | 0.003 | <0.001 | 0.002 | 0.003 | 0.002 |
| 02:00 PM - 03:00 PM | 0.009 | 0.004 | 0.002 | <0.001 | 0.002 | 0.002 | 0.002 |
| 03:00 PM - 04:00 PM | 0.010 | 0.006 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 04:00 PM - 05:00 PM | 0.018 | 0.006 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 |
| 05:00 PM - 06:00 PM | 0.033 | 0.004 | 0.004 | <0.001 | 0.002 | 0.003 | 0.003 |
| 06:00 PM - 07:00 PM | 0.014 | 0.003 | 0.002 | 0.002 | 0.003 | 0.004 | 0.002 |
| 07:00 PM - 08:00 PM | 0.016 | 0.005 | 0.003 | 0.004 | 0.001 | 0.006 | 0.002 |
| 08:00 PM - 09:00 PM | 0.010 | 0.011 | 0.007 | 0.006 | 0.003 | 0.008 | 0.003 |
| 09:00 PM - 10:00 PM | 0.014 | 0.006 | 0.008 | 0.003 | 0.007 | 0.010 | 0.002 |
| 10:00 PM - 11:00 PM | 0.012 | 0.003 | 0.004 | 0.002 | 0.005 | 0.006 | 0.002 |
| 11:00 PM - 12:00 AM | 0.004 | 0.002 | 0.004 | 0.002 | 0.002 | 0.003 | 0.001 |
| 12:00 AM - 01:00 AM | 0.003 | 0.005 | 0.004 | 0.002 | 0.002 | 0.003 | 0.001 |
| 01:00 AM - 02:00 AM | 0.005 | 0.004 | 0.003 | 0.001 | 0.001 | 0.003 | 0.001 |
| 02:00 AM - 03:00 AM | 0.004 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | <0.001 |
| 03:00 AM - 04:00 AM | 0.007 | 0.003 | 0.004 | 0.001 | 0.002 | 0.002 | 0.001 |
| 04:00 AM - 05:00 AM | 0.005 | 0.001 | 0.002 | <0.001 | <0.001 | 0.002 | <0.001 |
| 05:00 AM - 06:00 AM | 0.004 | 0.003 | 0.004 | 0.001 | 0.003 | 0.003 | 0.002 |
| 06:00 AM - 07:00 AM | 0.010 | 0.006 | 0.013 | 0.003 | 0.003 | 0.006 | 0.006 |
| 07:00 AM - 08:00 AM | 0.043 | 0.014 | 0.024 | 0.009 | 0.006 | 0.004 | 0.014 |
| 08:00 AM - 09:00 AM | 0.019 | 0.026 | 0.026 | 0.017 | 0.009 | 0.006 | 0.035 |
| Average | 0.012 | 0.007 | 0.007 | 0.003 | 0.003 | 0.004 | 0.004 |
| 1hr - Maximum | 0.043 | 0.026 | 0.026 | 0.017 | 0.009 | 0.010 | 0.035 |
| Standard 1hr - Average | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 |

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

Note : This Analysis test report is reissued to supersede report No 2405989-1 Reported : Aug 16, 2022 due to revise sample information.

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Approved by

Sararat Mongkonjirawut
Supervisor

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 2286911

Date Received : Aug 09, 2022

Date Reported : Aug 18, 2022

Report Number: 2406000-1

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|------------------------|--|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Location | Moo 6 mabyangpormmai (A2) (GPS 47P 0731331, 1437520) | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | |
| Measurement Date | Aug 01, 2022 - Aug 08, 2022 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| Time | 2286911-8 Aug 01, 2022 | 2286911-9 Aug 02, 2022 | 2286911-10 Aug 03, 2022 | 2286911-11 Aug 04, 2022 | 2286911-12 Aug 05, 2022 | 2286911-13 Aug 06, 2022 | 2286911-14 Aug 07, 2022 |
| 10:00 AM - 11:00 AM | 0.002 | 0.006 | 0.008 | 0.006 | 0.005 | 0.005 | 0.005 |
| 11:00 AM - 12:00 PM | 0.003 | 0.005 | 0.005 | 0.003 | 0.004 | 0.003 | 0.004 |
| 12:00 PM - 01:00 PM | 0.001 | 0.004 | 0.002 | 0.003 | 0.003 | 0.004 | 0.004 |
| 01:00 PM - 02:00 PM | <0.001 | 0.004 | 0.002 | 0.002 | 0.004 | 0.003 | 0.004 |
| 02:00 PM - 03:00 PM | 0.004 | 0.004 | 0.002 | 0.003 | 0.003 | 0.004 | 0.003 |
| 03:00 PM - 04:00 PM | 0.006 | 0.006 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 |
| 04:00 PM - 05:00 PM | 0.007 | 0.007 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 |
| 05:00 PM - 06:00 PM | 0.010 | 0.006 | 0.004 | 0.004 | 0.005 | 0.004 | 0.005 |
| 06:00 PM - 07:00 PM | 0.012 | 0.007 | 0.005 | 0.006 | 0.005 | 0.006 | 0.007 |
| 07:00 PM - 08:00 PM | 0.013 | 0.007 | 0.006 | 0.009 | 0.006 | 0.010 | 0.006 |
| 08:00 PM - 09:00 PM | 0.008 | 0.011 | 0.013 | 0.011 | 0.011 | 0.017 | 0.007 |
| 09:00 PM - 10:00 PM | 0.010 | 0.011 | 0.012 | 0.007 | 0.016 | 0.015 | 0.007 |
| 10:00 PM - 11:00 PM | 0.010 | 0.005 | 0.016 | 0.005 | 0.009 | 0.009 | 0.005 |
| 11:00 PM - 12:00 AM | 0.004 | 0.004 | 0.004 | 0.003 | 0.005 | 0.006 | 0.005 |
| 12:00 AM - 01:00 AM | 0.003 | 0.004 | 0.002 | 0.002 | 0.004 | 0.005 | 0.004 |
| 01:00 AM - 02:00 AM | 0.002 | 0.003 | 0.002 | 0.003 | 0.004 | 0.003 | 0.002 |
| 02:00 AM - 03:00 AM | 0.003 | 0.001 | 0.002 | 0.006 | 0.003 | 0.003 | 0.002 |
| 03:00 AM - 04:00 AM | 0.002 | 0.001 | 0.002 | 0.002 | 0.003 | 0.003 | 0.002 |
| 04:00 AM - 05:00 AM | 0.002 | 0.001 | 0.002 | 0.003 | 0.003 | 0.003 | 0.002 |
| 05:00 AM - 06:00 AM | 0.006 | 0.004 | 0.006 | 0.005 | 0.007 | 0.003 | 0.003 |
| 06:00 AM - 07:00 AM | 0.007 | 0.008 | 0.012 | 0.006 | 0.010 | 0.007 | 0.007 |
| 07:00 AM - 08:00 AM | 0.011 | 0.017 | 0.021 | 0.016 | 0.016 | 0.008 | 0.028 |
| 08:00 AM - 09:00 AM | 0.010 | 0.018 | 0.034 | 0.017 | 0.018 | 0.008 | 0.043 |
| 09:00 AM - 10:00 AM | 0.006 | 0.009 | 0.009 | 0.010 | 0.007 | 0.006 | 0.019 |
| Average | 0.006 | 0.006 | 0.007 | 0.006 | 0.007 | 0.006 | 0.008 |
| 1hr - Maximum | 0.013 | 0.018 | 0.034 | 0.017 | 0.018 | 0.017 | 0.043 |
| Standard 1hr - Average | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 |

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sararat Mongkonjirawut
Supervisor

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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S:\Reports_Air SOxNOx.rpt (1 28PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 2286911

Date Received : Aug 09, 2022

Date Reported : Aug 18, 2022

Report Number: 2406012-1

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|------------------------|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Location | Moo 3 Mabyangporn (A3) (GPS 47P 0734312, 1437710) | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | |
| Measurement Date | Aug 01, 2022 - Aug 08, 2022 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| Time | 2286911-15 Aug 01, 2022 | 2286911-16 Aug 02, 2022 | 2286911-17 Aug 03, 2022 | 2286911-18 Aug 04, 2022 | 2286911-19 Aug 05, 2022 | 2286911-20 Aug 06, 2022 | 2286911-21 Aug 07, 2022 |
| 11:00 AM - 12:00 PM | 0.010 | 0.005 | 0.006 | 0.003 | 0.004 | 0.003 | 0.003 |
| 12:00 PM - 01:00 PM | 0.004 | 0.010 | 0.004 | 0.002 | 0.002 | 0.003 | 0.003 |
| 01:00 PM - 02:00 PM | 0.016 | 0.007 | 0.006 | 0.002 | 0.002 | 0.003 | 0.003 |
| 02:00 PM - 03:00 PM | 0.008 | 0.007 | 0.005 | 0.002 | 0.002 | 0.002 | 0.003 |
| 03:00 PM - 04:00 PM | 0.011 | 0.011 | 0.002 | 0.002 | 0.003 | 0.005 | 0.002 |
| 04:00 PM - 05:00 PM | 0.014 | 0.013 | 0.004 | 0.004 | 0.003 | 0.005 | 0.002 |
| 05:00 PM - 06:00 PM | 0.017 | 0.007 | 0.003 | 0.002 | 0.002 | 0.004 | 0.003 |
| 06:00 PM - 07:00 PM | 0.013 | 0.009 | 0.006 | 0.004 | 0.003 | 0.006 | 0.006 |
| 07:00 PM - 08:00 PM | 0.012 | 0.010 | 0.006 | 0.007 | 0.002 | 0.007 | 0.004 |
| 08:00 PM - 09:00 PM | 0.011 | 0.018 | 0.009 | 0.009 | 0.002 | 0.011 | 0.004 |
| 09:00 PM - 10:00 PM | 0.013 | 0.025 | 0.015 | 0.014 | 0.017 | 0.029 | 0.008 |
| 10:00 PM - 11:00 PM | 0.026 | 0.012 | 0.020 | 0.026 | 0.016 | 0.006 | 0.006 |
| 11:00 PM - 12:00 AM | 0.006 | 0.006 | 0.008 | 0.015 | 0.004 | 0.010 | 0.004 |
| 12:00 AM - 01:00 AM | 0.010 | 0.006 | 0.005 | 0.013 | 0.002 | 0.014 | 0.003 |
| 01:00 AM - 02:00 AM | 0.004 | 0.014 | 0.006 | 0.009 | 0.002 | 0.005 | 0.001 |
| 02:00 AM - 03:00 AM | 0.004 | 0.004 | 0.003 | 0.002 | 0.003 | 0.003 | 0.002 |
| 03:00 AM - 04:00 AM | 0.005 | 0.003 | 0.004 | 0.002 | 0.002 | 0.002 | 0.003 |
| 04:00 AM - 05:00 AM | 0.004 | 0.002 | 0.003 | 0.002 | 0.003 | 0.004 | 0.002 |
| 05:00 AM - 06:00 AM | 0.007 | 0.005 | 0.008 | 0.008 | 0.007 | 0.002 | 0.003 |
| 06:00 AM - 07:00 AM | 0.016 | 0.007 | 0.016 | 0.005 | 0.009 | 0.003 | 0.004 |
| 07:00 AM - 08:00 AM | 0.017 | 0.028 | 0.031 | 0.017 | 0.019 | 0.008 | 0.055 |
| 08:00 AM - 09:00 AM | 0.015 | 0.017 | 0.033 | 0.020 | 0.018 | 0.010 | 0.023 |
| 09:00 AM - 10:00 AM | 0.008 | 0.009 | 0.016 | 0.014 | 0.013 | 0.008 | 0.013 |
| 10:00 AM - 11:00 AM | 0.006 | 0.010 | 0.008 | 0.008 | 0.006 | 0.005 | 0.006 |
| Average | 0.011 | 0.010 | 0.009 | 0.008 | 0.006 | 0.007 | 0.007 |
| 1hr - Maximum | 0.026 | 0.028 | 0.033 | 0.026 | 0.027 | 0.029 | 0.055 |
| Standard 1hr - Average | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 |

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Approved by

Sararat Mongkonjirawut
Supervisor

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S:\Reports_Air SOxNOx.rpt (1:30PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 2286914

Date Received : Aug 09, 2022

Date Reported : Aug 18, 2022

Report Number: 2375637-1 Rev. No.1

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|---------------------------|---|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Location | Moo 4 Wangtapin (A1) (GPS 47P 0733030, 1439337) | | | | | | |
| Parameter | Sulfur Dioxide (ppm) | | | | | | |
| Measurement Date | Aug 01, 2022 - Aug 08, 2022 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| Time | 2286914-1 Aug 01, 2022 | 2286914-2 Aug 02, 2022 | 2286914-3 Aug 03, 2022 | 2286914-4 Aug 04, 2022 | 2286914-5 Aug 05, 2022 | 2286914-6 Aug 06, 2022 | 2286914-7 Aug 07, 2022 |
| 09:00 AM - 10:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 10:00 AM - 11:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 11:00 AM - 12:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 12:00 PM - 01:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 01:00 PM - 02:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 02:00 PM - 03:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 03:00 PM - 04:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 04:00 PM - 05:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 05:00 PM - 06:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 06:00 PM - 07:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 07:00 PM - 08:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 08:00 PM - 09:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 09:00 PM - 10:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 10:00 PM - 11:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 11:00 PM - 12:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 12:00 AM - 01:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 01:00 AM - 02:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 02:00 AM - 03:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 03:00 AM - 04:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 04:00 AM - 05:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 05:00 AM - 06:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 06:00 AM - 07:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 07:00 AM - 08:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 08:00 AM - 09:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Average | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 1hr - Maximum | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Standard 1hr - Average | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Standard 24 hrs - Average | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

Note : This Analysis test report is reissued to supersede report No 2375637-1 Reported : Aug 16,2022 due to revise sample information.

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Approved by

Sararat Mongkonjirawut
Supervisor

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15660-21/ EMAIL

S:\Reports_Air SOxNOx.rpt (1:37PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 2286914

Date Received : Aug 09, 2022

Date Reported : Aug 18, 2022

Report Number: 2406011-1

Page 1 of 1

| | | | | | | | |
|---------------------------|--|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Sample Description | Air Quality | | | | | | |
| Location | Moo 6 mabyangpormmai (A2) (GPS 47P 0731331, 1437520) | | | | | | |
| Parameter | Sulfur Dioxide (ppm) | | | | | | |
| Measurement Date | Aug 01, 2022 - Aug 08, 2022 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| Time | 2286914-8 Aug 01, 2022 | 2286914-9 Aug 02, 2022 | 2286914-10 Aug 03, 2022 | 2286914-11 Aug 04, 2022 | 2286914-12 Aug 05, 2022 | 2286914-13 Aug 06, 2022 | 2286914-14 Aug 07, 2022 |
| 10:00 AM - 11:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 11:00 AM - 12:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 12:00 PM - 01:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 01:00 PM - 02:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 02:00 PM - 03:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 03:00 PM - 04:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 04:00 PM - 05:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 05:00 PM - 06:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 06:00 PM - 07:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 07:00 PM - 08:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 08:00 PM - 09:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 09:00 PM - 10:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 10:00 PM - 11:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 11:00 PM - 12:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 12:00 AM - 01:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 01:00 AM - 02:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 02:00 AM - 03:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 03:00 AM - 04:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 04:00 AM - 05:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 05:00 AM - 06:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 06:00 AM - 07:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 07:00 AM - 08:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 08:00 AM - 09:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 09:00 AM - 10:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Average | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 1hr - Maximum | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Standard 1hr - Average | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Standard 24 hrs - Average | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| Standard | : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547). | | | | | | |
| Reference Method | : US EPA Method Part 53 and 58 | | | | | | |

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sararat Mongkonjirawut
Supervisor

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19560-21/EMAIL

S:\Reports_Air SOxNOx.rpt (1 38PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 2286914

Date Received : Aug 09, 2022

Date Reported : Aug 16, 2022

Report Number: 2406013-1

Page 1 of 1

| | | | | | | | |
|---------------------------|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Sample Description | Air Quality | | | | | | |
| Location | Moo 3 Mabyangporm (A3) (GPS 47P 0734312, 1437710) | | | | | | |
| Parameter | Sulfur Dioxide (ppm) | | | | | | |
| Measurement Date | Aug 01, 2022 - Aug 08, 2022 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| Time | 2286914-15 Aug 01, 2022 | 2286914-16 Aug 02, 2022 | 2286914-17 Aug 03, 2022 | 2286914-18 Aug 04, 2022 | 2286914-19 Aug 05, 2022 | 2286914-20 Aug 06, 2022 | 2286914-21 Aug 07, 2022 |
| 11:00 AM - 12:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 |
| 12:00 PM - 01:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 |
| 01:00 PM - 02:00 PM | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 |
| 02:00 PM - 03:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 |
| 03:00 PM - 04:00 PM | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 |
| 04:00 PM - 05:00 PM | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 05:00 PM - 06:00 PM | 0.002 | 0.001 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 |
| 06:00 PM - 07:00 PM | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 |
| 07:00 PM - 08:00 PM | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 08:00 PM - 09:00 PM | 0.002 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 |
| 09:00 PM - 10:00 PM | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 10:00 PM - 11:00 PM | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 11:00 PM - 12:00 AM | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 12:00 AM - 01:00 AM | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 01:00 AM - 02:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 02:00 AM - 03:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 03:00 AM - 04:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 04:00 AM - 05:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.001 |
| 05:00 AM - 06:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 |
| 06:00 AM - 07:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 |
| 07:00 AM - 08:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 08:00 AM - 09:00 AM | 0.002 | 0.002 | 0.001 | 0.002 | 0.001 | 0.002 | 0.001 |
| 09:00 AM - 10:00 AM | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.001 |
| 10:00 AM - 11:00 AM | 0.001 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.001 |
| Average | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 1hr - Maximum | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Standard 1hr - Average | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Standard 24 hrs - Average | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| Standard | : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547). | | | | | | |
| Reference Method | : US EPA Method Part 53 and 58 | | | | | | |

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Approved by

Sararat Mongkonjirawut
Supervisor

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S:\Reports_Air SOxNOx.rpt (4 38PM)



Analysis / Test Report



TESTING
No.0042

Lot ID: 2286915

Date Received : Aug 09, 2022

Date Reported : Aug 17, 2022

Report Number: 2375636-1

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Page 1 of 1

| | | | | | |
|-------------------------|---|--|--|--|--|
| Sample Description | Air Quality | | | | |
| Location | Moo 4 Wangtapin (A1) (GPS 47P 0733030, 1439337) | | | | |
| Date Analysis Commenced | Aug 10, 2022 | | | | |
| Condition of Sample | Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag | | | | |

| Sample Number | Sampled Date | Total Suspended Particulate (mg/m3) | Particulate Matter (PM-10) (mg/m3) | Barometric Pressure (mm Hg) | Atmospheric Temperature (°C) |
|---------------|-----------------------|-------------------------------------|------------------------------------|-----------------------------|------------------------------|
| 2286915-1 | Aug 01 - Aug 02, 2022 | 0.045 | 0.024 | 755 | 29 |
| 2286915-2 | Aug 02 - Aug 03, 2022 | 0.051 | 0.025 | 755 | 29 |
| 2286915-3 | Aug 03 - Aug 04, 2022 | 0.045 | 0.022 | 755 | 30 |
| 2286915-4 | Aug 04 - Aug 05, 2022 | 0.043 | 0.021 | 755 | 30 |
| 2286915-5 | Aug 05 - Aug 06, 2022 | 0.039 | 0.025 | 755 | 30 |
| 2286915-6 | Aug 06 - Aug 07, 2022 | 0.031 | 0.021 | 755 | 30 |
| 2286915-7 | Aug 07 - Aug 08, 2022 | 0.028 | 0.016 | 755 | 30 |
| Guideline | | 0.33 | 0.12 | - | - |

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Satcha Phetsawaeng

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Lot ID: 2286915

Date Received : Aug 09, 2022

Date Reported : Aug 16, 2022

Report Number: 2375636-2

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Page 1 of 1

| | | | | | |
|-------------------------|---|--|--|--|--|
| Sample Description | Air Quality | | | | |
| Location | Moo 6 mabyangpornmai (A2) (GPS 47P 0731331, 1437520) | | | | |
| Date Analysis Commenced | Aug 10, 2022 | | | | |
| Condition of Sample | Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag | | | | |

| Sample Number | Sampled Date | Total Suspended Particulate (mg/m3) | Particulate Matter (PM-10) (mg/m3) | Barometric Pressure (mm Hg) | Atmospheric Temperature (°C) |
|---------------|-----------------------|-------------------------------------|------------------------------------|-----------------------------|------------------------------|
| 2286915-8 | Aug 01 - Aug 02, 2022 | 0.046 | 0.014 | 755 | 29 |
| 2286915-9 | Aug 02 - Aug 03, 2022 | 0.088 | 0.042 | 755 | 29 |
| 2286915-10 | Aug 03 - Aug 04, 2022 | 0.123 | 0.025 | 755 | 30 |
| 2286915-11 | Aug 04 - Aug 05, 2022 | 0.186 | 0.047 | 755 | 30 |
| 2286915-12 | Aug 05 - Aug 06, 2022 | 0.164 | 0.052 | 755 | 30 |
| 2286915-13 | Aug 06 - Aug 07, 2022 | 0.114 | 0.029 | 755 | 30 |
| 2286915-14 | Aug 07 - Aug 08, 2022 | 0.212 | 0.043 | 755 | 30 |
| Guideline | | 0.33 | 0.12 | - | - |

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Satcha Phetsawaeng

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Lot ID: 2286915

Date Received : Aug 09, 2022

Date Reported : Aug 16, 2022

Report Number: 2375636-3

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Sample Description Air Quality
Location Moo 3 Mabyangporn (A3) (GPS 47P 0734312, 1437710)
Date Analysis Commenced Aug 10, 2022
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

| Sample Number | Sampled Date | Total Suspended Particulate (mg/m3) | Particulate Matter (PM-10) (mg/m3) | Barometric Pressure (mm Hg) | Atmospheric Temperature (°C) |
|------------------|-----------------------|-------------------------------------|------------------------------------|-----------------------------|------------------------------|
| 2286915-15 | Aug 01 - Aug 02, 2022 | 0.019 | 0.014 | 755 | 29 |
| 2286915-16 | Aug 02 - Aug 03, 2022 | 0.020 | 0.015 | 755 | 29 |
| 2286915-17 | Aug 03 - Aug 04, 2022 | 0.021 | 0.015 | 755 | 30 |
| 2286915-18 | Aug 04 - Aug 05, 2022 | 0.033 | 0.018 | 755 | 30 |
| 2286915-19 | Aug 05 - Aug 06, 2022 | 0.039 | 0.021 | 755 | 30 |
| 2286915-20 | Aug 06 - Aug 07, 2022 | 0.031 | 0.018 | 755 | 30 |
| 2286915-21 | Aug 07 - Aug 08, 2022 | 0.029 | 0.014 | 755 | 30 |
| Guideline | | 0.33 | 0.12 | - | - |

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Satcha Phetsawaeng

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID : 2286916

Date Received : Aug 09, 2022

Date Reported : Aug 15, 2022

Report Number : 2375625-1

Sample Number 2286916-1 to 7
Parameter Wind Speed / Wind Direction
Location Moo 6 mabyangpornmai (A2) (GPS 47P 0731331, 1437520)
Sampling Date Aug 01 - Aug 08, 2022
Sampling by Satcha Phetsawaeng

| Time | Aug 01 - Aug 02, 2022 | | | Aug 02 - Aug 03, 2022 | | | Aug 03 - Aug 04, 2022 | | | Aug 04 - Aug 05, 2022 | | | Aug 05 - Aug 06, 2022 | | | Aug 06 - Aug 07, 2022 | | | Aug 07 - Aug 08, 2022 | | |
|---------------------|-----------------------|----------|-----|-----------------------|----------|-----|-----------------------|----------|-----|-----------------------|----------|-----|-----------------------|----------|-----|-----------------------|----------|-----|-----------------------|----------|-----|
| | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | |
| 10:00 AM - 11:00 AM | 1.0 | 130.0 | SE | 2.7 | 130.0 | SE | 2.2 | 114.0 | ESE | 1.5 | 169.0 | S | 1.2 | 201.0 | SSW | 2.0 | 178.0 | S | 1.4 | 107.0 | ESE |
| 11:00 AM - 12:00 PM | 1.1 | 125.0 | SE | 1.2 | 133.0 | SE | 1.2 | 98.0 | E | 1.6 | 246.0 | WSW | 0.6 | 157.0 | SSE | 0.8 | 218.0 | SW | 0.8 | 173.0 | S |
| 12:00 PM - 01:00 PM | 1.3 | 126.0 | SE | 2.6 | 127.0 | SE | 1.4 | 115.0 | ESE | 2.6 | 214.0 | SW | 1.9 | 150.0 | SSE | 1.0 | 252.0 | WSW | 0.8 | 239.0 | WSW |
| 01:00 PM - 02:00 PM | 1.2 | 73.0 | ENE | 2.0 | 145.0 | SE | 1.9 | 165.0 | SSE | 2.0 | 202.0 | SSW | 1.6 | 172.0 | S | 1.7 | 137.0 | SE | 1.6 | 210.0 | SSW |
| 02:00 PM - 03:00 PM | 2.1 | 140.0 | SE | 2.3 | 108.0 | ESE | 2.1 | 102.0 | ESE | 1.0 | 176.0 | S | 1.4 | 197.0 | SSW | 1.8 | 151.0 | SSE | 2.6 | 210.0 | SSW |
| 03:00 PM - 04:00 PM | 0.7 | 90.0 | E | 1.8 | 120.0 | ESE | 1.4 | 155.0 | SSE | 0.5 | 76.0 | ENE | 0.6 | 265.0 | W | 1.6 | 132.0 | SE | 1.0 | 108.0 | ESE |
| 04:00 PM - 05:00 PM | 1.5 | 78.0 | ENE | 0.7 | 148.0 | SSE | 1.5 | 135.0 | SE | 2.8 | 245.0 | WSW | 1.4 | 133.0 | SE | 2.0 | 202.0 | SSW | 0.7 | 198.0 | SSW |
| 05:00 PM - 06:00 PM | 1.5 | 90.0 | E | 2.1 | 127.0 | SE | 1.6 | 135.0 | SE | 2.2 | 215.0 | SW | 0.5 | 144.0 | SE | 0.5 | 204.0 | SSW | 1.0 | 154.0 | SSE |
| 06:00 PM - 07:00 PM | 2.8 | 111.0 | ESE | 1.2 | 103.0 | ESE | 1.2 | 179.0 | S | 0.6 | 189.0 | S | 1.4 | 285.0 | WNW | 2.9 | 127.0 | SE | 1.5 | 126.0 | SE |
| 07:00 PM - 08:00 PM | 1.2 | 98.0 | E | 1.6 | 125.0 | SE | 1.3 | 159.0 | SSE | 1.9 | 153.0 | SSE | 0.2 | - | - | 1.6 | 147.0 | SSE | 0.4 | 147.0 | SSE |
| 08:00 PM - 09:00 PM | 2.1 | 98.0 | E | 2.0 | 149.0 | SSE | 1.4 | 155.0 | SSE | 1.0 | 249.0 | WSW | 0.3 | 219.0 | SW | 0.9 | 110.0 | ESE | 1.4 | 136.0 | SE |
| 09:00 PM - 10:00 PM | 1.1 | 71.0 | ENE | 2.4 | 163.0 | SSE | 1.3 | 133.0 | SE | 0.7 | 140.0 | SE | 1.6 | 148.0 | SSE | 0.0 | - | - | 1.5 | 148.0 | SSE |
| 10:00 PM - 11:00 PM | 1.0 | 88.0 | E | 1.2 | 232.0 | SW | 1.5 | 97.0 | E | 1.0 | 81.0 | E | 1.2 | 143.0 | SE | 1.4 | 123.0 | ESE | 0.6 | 174.0 | S |
| 11:00 PM - 12:00 AM | 0.3 | 74.0 | ENE | 1.3 | 68.0 | ENE | 1.4 | 74.0 | ENE | 0.4 | 168.0 | SSE | 1.1 | 171.0 | S | 0.4 | 189.0 | S | 0.8 | 184.0 | S |
| 12:00 AM - 01:00 AM | 0.6 | 38.0 | NE | 1.4 | 74.0 | ENE | 0.5 | 67.0 | ENE | 1.6 | 65.0 | ENE | 0.9 | 123.0 | ESE | 1.6 | 120.0 | ESE | 1.3 | 133.0 | SE |
| 01:00 AM - 02:00 AM | 0.0 | - | - | 1.2 | 67.0 | ENE | 1.6 | 124.0 | SE | 1.5 | 170.0 | S | 1.3 | 110.0 | ESE | 1.4 | 146.0 | SE | 1.5 | 199.0 | SSW |
| 02:00 AM - 03:00 AM | 1.0 | 63.0 | ENE | 0.5 | 69.0 | ENE | 1.2 | 137.0 | SE | 1.4 | 249.0 | WSW | 0.9 | 159.0 | SSE | 1.7 | 127.0 | SE | 1.2 | 199.0 | SSW |
| 03:00 AM - 04:00 AM | 0.4 | 52.0 | NE | 0.6 | 67.0 | ENE | 1.4 | 91.0 | E | 1.3 | 163.0 | SSE | 1.2 | 128.0 | SE | 0.4 | 210.0 | SSW | 0.6 | 242.0 | WSW |
| 04:00 AM - 05:00 AM | 0.0 | - | - | 1.4 | 78.0 | ENE | 1.6 | 132.0 | SE | 0.8 | 205.0 | SSW | 1.1 | 118.0 | ESE | 0.9 | 146.0 | SE | 0.3 | 216.0 | SW |
| 05:00 AM - 06:00 AM | 0.0 | - | - | 1.2 | 117.0 | ESE | 1.8 | 55.0 | NE | 0.2 | - | - | 1.0 | 110.0 | ESE | 1.5 | 195.0 | SSW | 0.7 | 137.0 | SE |
| 06:00 AM - 07:00 AM | 1.6 | 81.0 | E | 1.1 | 123.0 | ESE | 1.9 | 56.0 | NE | 0.3 | 182.0 | S | 0.7 | 134.0 | SE | 1.6 | 166.0 | SSE | 1.6 | 125.0 | SE |
| 07:00 AM - 08:00 AM | 2.8 | 68.0 | ENE | 1.4 | 104.0 | ESE | 1.4 | 135.0 | SE | 1.5 | 141.0 | SE | 1.9 | 148.0 | SSE | 0.9 | 131.0 | SE | 1.5 | 140.0 | SE |
| 08:00 AM - 09:00 AM | 1.1 | 100.0 | E | 1.2 | 107.0 | ESE | 1.5 | 208.0 | SSW | 1.2 | 121.0 | ESE | 1.2 | 129.0 | SE | 2.4 | 198.0 | SSW | 1.0 | 140.0 | SE |
| 09:00 AM - 10:00 AM | 1.1 | 151.0 | SSE | 2.7 | 131.0 | SE | 0.9 | 168.0 | SSE | 1.4 | 207.0 | SSW | 2.3 | 178.0 | S | 1.4 | 161.0 | SSE | 1.2 | 130.0 | SE |

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

Approved by

Sarayuth Jittrant

Sarayuth Jittrant
Assistant General Manager

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

Project Name :

Project Location : Glow SPP11_Plant 1

Report Number : 2375625-1

Page 2 of 2



Analysis / Test Report

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

Project Name :

Project Location : Glow SPP11_Plant 1

Report Number: 2440628-1

Page 1 of 1

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

Approved by

Sarayuth Jittranont
Assistant General Manager

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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Approved by

Sararat Mongkonjirawut
Supervisor

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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S:\Reports_Air SOxNOx.rpt (4:29PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 22110991

Date Received : Sep 15, 2022

Date Reported : Sep 21, 2022

Report Number: 2427458-1

Page 1 of 1

| | | | | | | | | | |
|------------------------|-----------------------------|---|---|---|---|---|---|---|---|
| Sample Description | Air Quality | | | | | | | | |
| Location | Moo 6 Mabyangpornmai (A2) | | | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | | | |
| Measurement Date | Sep 13, 2022 - Sep 14, 2022 | | | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | | | |
| | 22110991-1 | - | - | - | - | - | - | - | - |
| Time | Sep 13, 2022 | - | - | - | - | - | - | - | - |
| 06:00 PM - 07:00 PM | 0.008 | - | - | - | - | - | - | - | - |
| 07:00 PM - 08:00 PM | 0.007 | - | - | - | - | - | - | - | - |
| 08:00 PM - 09:00 PM | 0.009 | - | - | - | - | - | - | - | - |
| 09:00 PM - 10:00 PM | 0.009 | - | - | - | - | - | - | - | - |
| 10:00 PM - 11:00 PM | 0.009 | - | - | - | - | - | - | - | - |
| 11:00 PM - 12:00 AM | 0.008 | - | - | - | - | - | - | - | - |
| 12:00 AM - 01:00 AM | 0.010 | - | - | - | - | - | - | - | - |
| 01:00 AM - 02:00 AM | 0.010 | - | - | - | - | - | - | - | - |
| 02:00 AM - 03:00 AM | 0.010 | - | - | - | - | - | - | - | - |
| 03:00 AM - 04:00 AM | 0.011 | - | - | - | - | - | - | - | - |
| 04:00 AM - 05:00 AM | 0.006 | - | - | - | - | - | - | - | - |
| 05:00 AM - 06:00 AM | 0.004 | - | - | - | - | - | - | - | - |
| 06:00 AM - 07:00 AM | 0.004 | - | - | - | - | - | - | - | - |
| 07:00 AM - 08:00 AM | 0.006 | - | - | - | - | - | - | - | - |
| 08:00 AM - 09:00 AM | 0.005 | - | - | - | - | - | - | - | - |
| 09:00 AM - 10:00 AM | 0.006 | - | - | - | - | - | - | - | - |
| 10:00 AM - 11:00 AM | 0.005 | - | - | - | - | - | - | - | - |
| 11:00 AM - 12:00 PM | 0.005 | - | - | - | - | - | - | - | - |
| 12:00 PM - 01:00 PM | 0.006 | - | - | - | - | - | - | - | - |
| 01:00 PM - 02:00 PM | 0.008 | - | - | - | - | - | - | - | - |
| 02:00 PM - 03:00 PM | 0.007 | - | - | - | - | - | - | - | - |
| 03:00 PM - 04:00 PM | 0.005 | - | - | - | - | - | - | - | - |
| 04:00 PM - 05:00 PM | 0.005 | - | - | - | - | - | - | - | - |
| 05:00 PM - 06:00 PM | 0.005 | - | - | - | - | - | - | - | - |
| Average | 0.007 | - | - | - | - | - | - | - | - |
| 1hr - Maximum | 0.011 | - | - | - | - | - | - | - | - |
| Standard 1hr - Average | 0.170 | - | - | - | - | - | - | - | - |

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

Approved by

Sararat Mongkonjirawut
Supervisor

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand PHONE +66 0 2760 3000 FAX +66 0 2760 3197
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19560-21/ EMAIL

S:\Reports\Air SOxNOx.rpt (4:25PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 22110949

Date Received : Sep 15, 2022

Date Reported : Sep 21, 2022

Report Number: 2440629-1

Page 1 of 1

| | | | | | | | | | |
|------------------------|-----------------------------|---|---|---|---|---|---|---|---|
| Sample Description | Air Quality | | | | | | | | |
| Location | Moo 3 Mabyangporn (A3) | | | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | | | |
| Measurement Date | Sep 13, 2022 - Sep 14, 2022 | | | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | | | |
| | 22110949-2 | - | - | - | - | - | - | - | - |
| Time | Sep 13, 2022 | - | - | - | - | - | - | - | - |
| 05:00 PM - 06:00 PM | 0.007 | - | - | - | - | - | - | - | - |
| 06:00 PM - 07:00 PM | 0.005 | - | - | - | - | - | - | - | - |
| 07:00 PM - 08:00 PM | 0.005 | - | - | - | - | - | - | - | - |
| 08:00 PM - 09:00 PM | 0.004 | - | - | - | - | - | - | - | - |
| 09:00 PM - 10:00 PM | 0.008 | - | - | - | - | - | - | - | - |
| 10:00 PM - 11:00 PM | 0.007 | - | - | - | - | - | - | - | - |
| 11:00 PM - 12:00 AM | 0.008 | - | - | - | - | - | - | - | - |
| 12:00 AM - 01:00 AM | 0.010 | - | - | - | - | - | - | - | - |
| 01:00 AM - 02:00 AM | 0.010 | - | - | - | - | - | - | - | - |
| 02:00 AM - 03:00 AM | 0.004 | - | - | - | - | - | - | - | - |
| 03:00 AM - 04:00 AM | 0.005 | - | - | - | - | - | - | - | - |
| 04:00 AM - 05:00 AM | 0.010 | - | - | - | - | - | - | - | - |
| 05:00 AM - 06:00 AM | 0.014 | - | - | - | - | - | - | - | - |
| 06:00 AM - 07:00 AM | 0.014 | - | - | - | - | - | - | - | - |
| 07:00 AM - 08:00 AM | 0.011 | - | - | - | - | - | - | - | - |
| 08:00 AM - 09:00 AM | 0.012 | - | - | - | - | - | - | - | - |
| 09:00 AM - 10:00 AM | 0.005 | - | - | - | - | - | - | - | - |
| 10:00 AM - 11:00 AM | 0.004 | - | - | - | - | - | - | - | - |
| 11:00 AM - 12:00 PM | 0.004 | - | - | - | - | - | - | - | - |
| 12:00 PM - 01:00 PM | 0.001 | - | - | - | - | - | - | - | - |
| 01:00 PM - 02:00 PM | 0.004 | - | - | - | - | - | - | - | - |
| 02:00 PM - 03:00 PM | 0.004 | - | - | - | - | - | - | - | - |
| 03:00 PM - 04:00 PM | 0.004 | - | - | - | - | - | - | - | - |
| 04:00 PM - 05:00 PM | 0.002 | - | - | - | - | - | - | - | - |
| Average | 0.007 | - | - | - | - | - | - | - | - |
| 1hr - Maximum | 0.014 | - | - | - | - | - | - | - | - |
| Standard 1hr - Average | 0.170 | - | - | - | - | - | - | - | - |

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

Approved by

Sararat Mongkonjirawut
Supervisor

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand PHONE +66 0 2760 3000 FAX +66 0 2760 3197
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S:\Reports\Air SOxNOx.rpt (4:25PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22110993
Date Received : Sep 15, 2022
Date Reported : Sep 21, 2022
Report Number: 2440593-1

Page 1 of 1

| | |
|----------------------------------|-----------------------------|
| Sample Description | Air Quality |
| Location | Moo 4 Wangtapin (A1) |
| Parameter | Sulfur Dioxide (ppm) |
| Measurement Date | Sep 13, 2022 - Sep 14, 2022 |
| Measurement by | Satcha Phetsawaeng |
| | 22110993-1 |
| Time | Sep 13, 2022 |
| 04:00 PM - 05:00 PM | 0.007 |
| 05:00 PM - 06:00 PM | 0.007 |
| 06:00 PM - 07:00 PM | 0.005 |
| 07:00 PM - 08:00 PM | 0.007 |
| 08:00 PM - 09:00 PM | 0.006 |
| 09:00 PM - 10:00 PM | 0.004 |
| 10:00 PM - 11:00 PM | 0.004 |
| 11:00 PM - 12:00 AM | 0.004 |
| 12:00 AM - 01:00 AM | 0.006 |
| 01:00 AM - 02:00 AM | 0.009 |
| 02:00 AM - 03:00 AM | 0.008 |
| 03:00 AM - 04:00 AM | 0.004 |
| 04:00 AM - 05:00 AM | 0.006 |
| 05:00 AM - 06:00 AM | 0.006 |
| 06:00 AM - 07:00 AM | 0.007 |
| 07:00 AM - 08:00 AM | 0.006 |
| 08:00 AM - 09:00 AM | 0.006 |
| 09:00 AM - 10:00 AM | 0.006 |
| 10:00 AM - 11:00 AM | 0.006 |
| 11:00 AM - 12:00 PM | 0.008 |
| 12:00 PM - 01:00 PM | 0.008 |
| 01:00 PM - 02:00 PM | 0.006 |
| 02:00 PM - 03:00 PM | 0.005 |
| 03:00 PM - 04:00 PM | 0.005 |
| Average | 0.006 |
| 1hr - Maximum | 0.009 |
| Standard 1hr - Average | 0.3 |
| Standard 24 hrs - Average | 0.12 |

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).
Reference Method : US EPA Method Part 53 and 58

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Approved by

Sarat Mongkonjirawut
Supervisor

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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S:\Reports_Air SOxNOx.rpt (4:23PM)

19560-21/EMAIL



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22111008
Date Received : Sep 15, 2022
Date Reported : Sep 21, 2022
Report Number: 2427447-1

Page 1 of 1

| | |
|----------------------------------|-----------------------------|
| Sample Description | Air Quality |
| Location | Moo 6 Mabyangpornmai (A2) |
| Parameter | Sulfur Dioxide (ppm) |
| Measurement Date | Sep 13, 2022 - Sep 14, 2022 |
| Measurement by | Satcha Phetsawaeng |
| | 22111008-1 |
| Time | Sep 13, 2022 |
| 06:00 PM - 07:00 PM | 0.003 |
| 07:00 PM - 08:00 PM | 0.006 |
| 08:00 PM - 09:00 PM | 0.006 |
| 09:00 PM - 10:00 PM | 0.004 |
| 10:00 PM - 11:00 PM | 0.003 |
| 11:00 PM - 12:00 AM | 0.004 |
| 12:00 AM - 01:00 AM | 0.002 |
| 01:00 AM - 02:00 AM | 0.006 |
| 02:00 AM - 03:00 AM | 0.006 |
| 03:00 AM - 04:00 AM | 0.003 |
| 04:00 AM - 05:00 AM | <0.001 |
| 05:00 AM - 06:00 AM | 0.002 |
| 06:00 AM - 07:00 AM | 0.002 |
| 07:00 AM - 08:00 AM | 0.005 |
| 08:00 AM - 09:00 AM | 0.001 |
| 09:00 AM - 10:00 AM | 0.001 |
| 10:00 AM - 11:00 AM | 0.003 |
| 11:00 AM - 12:00 PM | 0.002 |
| 12:00 PM - 01:00 PM | 0.006 |
| 01:00 PM - 02:00 PM | 0.006 |
| 02:00 PM - 03:00 PM | 0.005 |
| 03:00 PM - 04:00 PM | 0.005 |
| 04:00 PM - 05:00 PM | 0.006 |
| 05:00 PM - 06:00 PM | 0.005 |
| Average | 0.004 |
| 1hr - Maximum | 0.006 |
| Standard 1hr - Average | 0.3 |
| Standard 24 hrs - Average | 0.12 |

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).
Reference Method : US EPA Method Part 53 and 58

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Sarat Mongkonjirawut
Supervisor

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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S:\Reports_Air SOxNOx.rpt (4:21PM)

Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 22110993

Date Received : Sep 15, 2022

Date Reported : Sep 21, 2022

Report Number: 2440594-1

Page 1 of 1

| | | | | | | | |
|---------------------------|-----------------------------|---|---|---|---|---|---|
| Sample Description | Air Quality | | | | | | |
| Location | Moo 3 Mabyangporn (A3) | | | | | | |
| Parameter | Sulfur Dioxide (ppm) | | | | | | |
| Measurement Date | Sep 13, 2022 - Sep 14, 2022 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| | 22110993-2 | - | - | - | - | - | - |
| Time | Sep 13, 2022 | - | - | - | - | - | - |
| 05:00 PM - 06:00 PM | 0.002 | - | - | - | - | - | - |
| 06:00 PM - 07:00 PM | 0.002 | - | - | - | - | - | - |
| 07:00 PM - 08:00 PM | 0.002 | - | - | - | - | - | - |
| 08:00 PM - 09:00 PM | 0.002 | - | - | - | - | - | - |
| 09:00 PM - 10:00 PM | 0.003 | - | - | - | - | - | - |
| 10:00 PM - 11:00 PM | 0.004 | - | - | - | - | - | - |
| 11:00 PM - 12:00 AM | 0.005 | - | - | - | - | - | - |
| 12:00 AM - 01:00 AM | 0.004 | - | - | - | - | - | - |
| 01:00 AM - 02:00 AM | 0.003 | - | - | - | - | - | - |
| 02:00 AM - 03:00 AM | 0.003 | - | - | - | - | - | - |
| 03:00 AM - 04:00 AM | 0.003 | - | - | - | - | - | - |
| 04:00 AM - 05:00 AM | 0.005 | - | - | - | - | - | - |
| 05:00 AM - 06:00 AM | 0.005 | - | - | - | - | - | - |
| 06:00 AM - 07:00 AM | 0.006 | - | - | - | - | - | - |
| 07:00 AM - 08:00 AM | 0.003 | - | - | - | - | - | - |
| 08:00 AM - 09:00 AM | 0.003 | - | - | - | - | - | - |
| 09:00 AM - 10:00 AM | 0.002 | - | - | - | - | - | - |
| 10:00 AM - 11:00 AM | 0.002 | - | - | - | - | - | - |
| 11:00 AM - 12:00 PM | 0.003 | - | - | - | - | - | - |
| 12:00 PM - 01:00 PM | 0.003 | - | - | - | - | - | - |
| 01:00 PM - 02:00 PM | 0.002 | - | - | - | - | - | - |
| 02:00 PM - 03:00 PM | 0.002 | - | - | - | - | - | - |
| 03:00 PM - 04:00 PM | 0.002 | - | - | - | - | - | - |
| 04:00 PM - 05:00 PM | 0.002 | - | - | - | - | - | - |
| Average | 0.003 | - | - | - | - | - | - |
| 1hr - Maximum | 0.006 | - | - | - | - | - | - |
| Standard 1hr - Average | 0.3 | - | - | - | - | - | - |
| Standard 24 hrs - Average | 0.12 | - | - | - | - | - | - |

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

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Sararat Mongkonjirawut
Supervisor

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S:\Reports\Air SOxNOx.rpt (4:23PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Madyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Page 1 of 2

| | |
|-------------------------|---|
| Sample Number | 22110992-1 |
| Sampled Date | Sep 13, 2022 |
| Sample Description | Air Quality |
| Location | Moo 4 Wangtapin (A1) |
| Date Analysis Commenced | Sep 16, 2022 |
| Condition of Sample | Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag |
| Barometric Pressure | 757 mmHg |
| Atmospheric Temperature | 28.0 °C |

| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-----------------------------|-------------------------|-------|-----|-----------|--------|-----------------|-----------------------------------|-----------|------------------|
| Air Testing | | | | | | | | | |
| Particulate matter as PM 10 | 13/09/2022 - 14/09/2022 | mg/m3 | - | 0.002 | 0.041 | 0.12 | US EPA 40 CFR Part 50, Appendix J | NEB No.24 | Rayong |
| Total Suspended Particulate | 13/09/2022 - 14/09/2022 | mg/m3 | - | 0.002 | 0.095 | 0.33 | US EPA 40 CFR Part 50, Appendix B | NEB No.24 | Rayong |

Guideline :

NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Satcha Phetsawaeng

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Sample Number 22111010-1
Sampled Date Sep 13, 2022
Sample Description Air Quality
Location Moo 6 Mabyangpornmai (A2)
Date Analysis Commenced Sep 16, 2022
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure 757 mmHg
Atmospheric Temperature 28.0 °C

| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-----------------------------|-------------------------|-------|-----|-----------|--------|-----------------|-----------------------------------|------------------|------------------|
| Air Testing | | | | | | | | | |
| Particulate matter as PM 10 | 13/09/2022 - 14/09/2022 | mg/m3 | - | 0.002 | 0.038 | 0.12 | US EPA 40 CFR Part 50, Appendix J | NEB No.24 Rayong | |
| Total Suspended Particulate | 13/09/2022 - 14/09/2022 | mg/m3 | - | 0.002 | 0.067 | 0.33 | US EPA 40 CFR Part 50, Appendix B | NEB No.24 Rayong | |

Guideline :

NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Satcha Phetsawaeng

Remark :

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TESTING
No.0042

Lot ID: 22111010

Date Received : Sep 15, 2022

Date Reported : Sep 21, 2022

Report Number : 2427432-1

Page 1 of 1



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Sample Number 22110992-2
Sampled Date Sep 13, 2022
Sample Description Air Quality
Location Moo 3 Mabyangporn (A3)
Date Analysis Commenced Sep 16, 2022
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure 757 mmHg
Atmospheric Temperature 28.0 °C

| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-----------------------------|-------------------------|-------|-----|-----------|--------|-----------------|-----------------------------------|------------------|------------------|
| Air Testing | | | | | | | | | |
| Particulate matter as PM 10 | 13/09/2022 - 14/09/2022 | mg/m3 | - | 0.002 | 0.021 | 0.12 | US EPA 40 CFR Part 50, Appendix J | NEB No.24 Rayong | |
| Total Suspended Particulate | 13/09/2022 - 14/09/2022 | mg/m3 | - | 0.002 | 0.024 | 0.33 | US EPA 40 CFR Part 50, Appendix B | NEB No.24 Rayong | |

Guideline :

NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Satcha Phetsawaeng

Remark :

- LOD : Limit of Detection
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TESTING
No.0042

Lot ID: 22110992

Date Received : Sep 15, 2022

Date Reported : Sep 21, 2022

Report Number : 2427420-1

Page 2 of 2

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Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Thanita K.

Thanita Kulsuriwong
Scientist (4)

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng,
Rayong Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID : 22111009

Date Received : Sep 15, 2022

Date Reported : Sep 22, 2022

Report Number : 2437101-1

Sample Number : 22111009-1
Parameter : Wind Speed / Wind Direction
Location : Moo 6 Mabyangpormmai (A2)
Sampling Date : Sep 13 - Sep 14, 2022
Sampling by : Satcha Phetsawaeng

| Time | Sep 13 - Sep 14, 2022 | | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|-------------|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WS (m/s) | WD (deg) | | | | | | | | | | | | | | | | |
| 04:00 PM - 05:00 PM | 1.2 | 278.0 | W | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 05:00 PM - 06:00 PM | 1.3 | 100.0 | E | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 06:00 PM - 07:00 PM | 0.9 | 188.0 | S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 07:00 PM - 08:00 PM | 0.8 | 200.0 | SSW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 08:00 PM - 09:00 PM | 0.9 | 74.0 | ENE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 09:00 PM - 10:00 PM | 1.6 | 124.0 | SE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10:00 PM - 11:00 PM | 2.1 | 133.0 | SE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 11:00 PM - 12:00 AM | 1.2 | 234.0 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 12:00 AM - 01:00 AM | 1.4 | 234.0 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 01:00 AM - 02:00 AM | 1.5 | 288.0 | WNW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 02:00 AM - 03:00 AM | 2.3 | 144.0 | SE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 03:00 AM - 04:00 AM | 1.2 | 149.0 | SSE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 04:00 AM - 05:00 AM | 1.6 | 149.0 | SSE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 05:00 AM - 06:00 AM | 2.3 | 335.0 | NNW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 06:00 AM - 07:00 AM | 1.4 | 336.0 | NNW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 07:00 AM - 08:00 AM | 1.5 | 291.0 | WNW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 08:00 AM - 09:00 AM | 0.5 | 200.0 | SSW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 09:00 AM - 10:00 AM | 0.6 | 159.0 | SSE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10:00 AM - 11:00 AM | 1.8 | 180.0 | S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 11:00 AM - 12:00 PM | 1.6 | 185.0 | S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 12:00 PM - 01:00 PM | 1.5 | 200.0 | SSW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 01:00 PM - 02:00 PM | 1.4 | 270.0 | W | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 02:00 PM - 03:00 PM | 2.3 | 275.0 | W | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 03:00 PM - 04:00 PM | 1.6 | 280.0 | W | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng,
Rayong Thailand 21140

P/O :

Project Name :

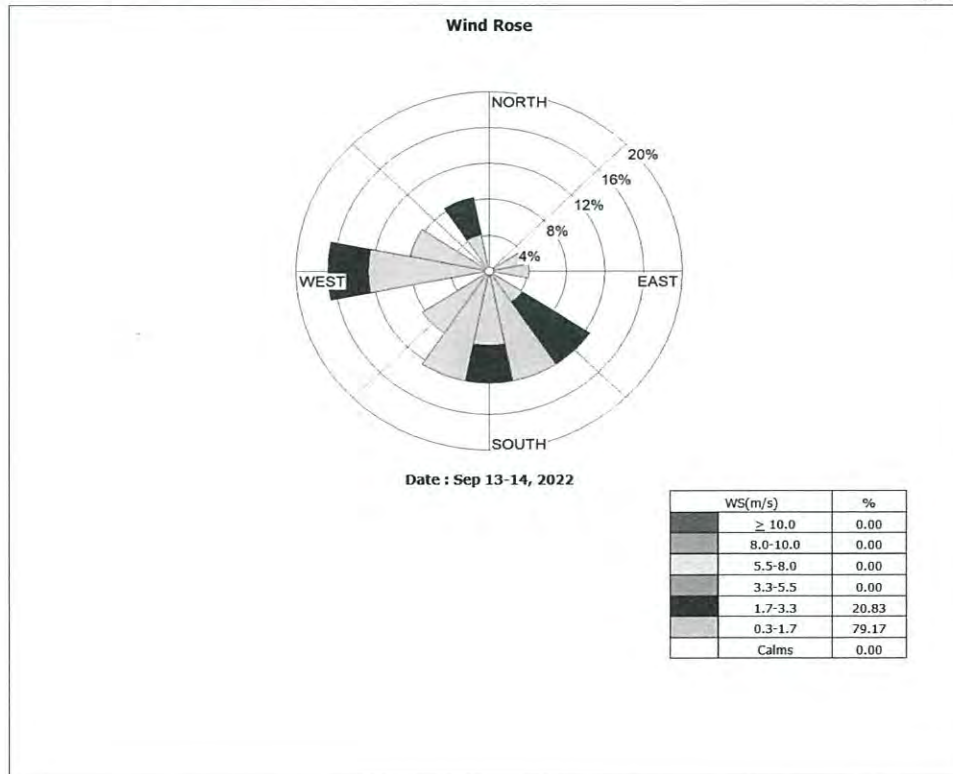
Project Location : Glow SPP11_Plant 1

Lot ID : 22111009

Date Received : Sep 15, 2022

Date Reported : Sep 22, 2022

Report Number : 2437101-1



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Approved by

Sarayuth Jitranont
Assistant General Manager

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

250 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 2

Lot ID: 2292223

Date Received : Aug 09, 2022

Date Reported : Aug 16, 2022

Report Number: 2386918-1

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|------------------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Location | Mapyangphon health care (GPS 47P 0731400, 1436972) | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | |
| Measurement Date | Aug 01, 2022 - Aug 08, 2022 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| Time | 2292223-1 Aug 01, 2022 | 2292223-2 Aug 02, 2022 | 2292223-3 Aug 03, 2022 | 2292223-4 Aug 04, 2022 | 2292223-5 Aug 05, 2022 | 2292223-6 Aug 06, 2022 | 2292223-7 Aug 07, 2022 |
| 09:00 AM - 10:00 AM | 0.014 | 0.014 | 0.023 | 0.016 | 0.015 | 0.015 | 0.013 |
| 10:00 AM - 11:00 AM | 0.017 | 0.016 | 0.022 | 0.017 | 0.014 | 0.015 | 0.014 |
| 11:00 AM - 12:00 PM | 0.017 | 0.018 | 0.020 | 0.020 | 0.012 | 0.016 | 0.014 |
| 12:00 PM - 01:00 PM | 0.020 | 0.021 | 0.020 | 0.019 | 0.012 | 0.019 | 0.018 |
| 01:00 PM - 02:00 PM | 0.027 | 0.025 | 0.019 | 0.021 | 0.009 | 0.020 | 0.017 |
| 02:00 PM - 03:00 PM | 0.027 | 0.024 | 0.017 | 0.021 | 0.014 | 0.020 | 0.031 |
| 03:00 PM - 04:00 PM | 0.028 | 0.021 | 0.016 | 0.021 | 0.010 | 0.019 | 0.032 |
| 04:00 PM - 05:00 PM | 0.027 | 0.019 | 0.016 | 0.018 | 0.012 | 0.018 | 0.020 |
| 05:00 PM - 06:00 PM | 0.023 | 0.018 | 0.017 | 0.015 | 0.013 | 0.018 | 0.020 |
| 06:00 PM - 07:00 PM | 0.024 | 0.018 | 0.020 | 0.015 | 0.014 | 0.020 | 0.024 |
| 07:00 PM - 08:00 PM | 0.022 | 0.016 | 0.022 | 0.017 | 0.014 | 0.018 | 0.023 |
| 08:00 PM - 09:00 PM | 0.021 | 0.017 | 0.014 | 0.016 | 0.015 | 0.019 | 0.018 |
| 09:00 PM - 10:00 PM | 0.019 | 0.014 | 0.015 | 0.015 | 0.015 | 0.020 | 0.019 |
| 10:00 PM - 11:00 PM | 0.017 | 0.013 | 0.013 | 0.015 | 0.015 | 0.021 | 0.022 |
| 11:00 PM - 12:00 AM | 0.019 | 0.014 | 0.016 | 0.018 | 0.017 | 0.020 | 0.019 |
| 12:00 AM - 01:00 AM | 0.019 | 0.015 | 0.021 | 0.019 | 0.016 | 0.020 | 0.018 |
| 01:00 AM - 02:00 AM | 0.020 | 0.019 | 0.022 | 0.018 | 0.019 | 0.018 | 0.020 |
| 02:00 AM - 03:00 AM | 0.018 | 0.019 | 0.022 | 0.018 | 0.022 | 0.022 | 0.022 |
| 03:00 AM - 04:00 AM | 0.017 | 0.017 | 0.017 | 0.018 | 0.021 | 0.022 | 0.023 |
| 04:00 AM - 05:00 AM | 0.016 | 0.014 | 0.009 | 0.022 | 0.015 | 0.022 | 0.023 |
| 05:00 AM - 06:00 AM | 0.019 | 0.013 | 0.015 | 0.018 | 0.015 | 0.019 | 0.018 |
| 06:00 AM - 07:00 AM | 0.017 | 0.024 | 0.014 | 0.017 | 0.015 | 0.015 | 0.018 |
| 07:00 AM - 08:00 AM | 0.016 | 0.024 | 0.016 | 0.015 | 0.015 | 0.015 | 0.016 |
| 08:00 AM - 09:00 AM | 0.014 | 0.022 | 0.018 | 0.015 | 0.019 | 0.014 | 0.019 |
| Average | 0.020 | 0.018 | 0.018 | 0.018 | 0.015 | 0.019 | 0.020 |
| 1hr - Maximum | 0.028 | 0.025 | 0.023 | 0.022 | 0.022 | 0.022 | 0.032 |
| Standard 1hr - Average | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 |

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Approved by

Sararat Mongkonjirawat

Supervisor

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S:\Reports_Air SOxNOx.rpt (4.42PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

250 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 2

Lot ID: 2292223

Date Received : Aug 09, 2022

Date Reported : Aug 16, 2022

Report Number: 2405988-1

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|------------------------|--|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Location | Moo 3 Ban Bowin (GPS 47P 0729719, 1441818) | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | |
| Measurement Date | Aug 01, 2022 - Aug 08, 2022 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| Time | 2292223-8 Aug 01, 2022 | 2292223-9 Aug 02, 2022 | 2292223-10 Aug 03, 2022 | 2292223-11 Aug 04, 2022 | 2292223-12 Aug 05, 2022 | 2292223-13 Aug 06, 2022 | 2292223-14 Aug 07, 2022 |
| 10:00 AM - 11:00 AM | 0.002 | 0.006 | 0.004 | 0.003 | 0.002 | 0.004 | 0.002 |
| 11:00 AM - 12:00 PM | 0.005 | 0.002 | 0.002 | 0.001 | 0.001 | 0.003 | 0.002 |
| 12:00 PM - 01:00 PM | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 |
| 01:00 PM - 02:00 PM | 0.002 | 0.002 | <0.001 | 0.001 | 0.002 | 0.002 | 0.002 |
| 02:00 PM - 03:00 PM | 0.003 | 0.001 | <0.001 | 0.001 | 0.002 | 0.002 | 0.002 |
| 03:00 PM - 04:00 PM | 0.004 | 0.001 | <0.001 | 0.002 | 0.002 | 0.002 | 0.002 |
| 04:00 PM - 05:00 PM | 0.005 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 |
| 05:00 PM - 06:00 PM | 0.006 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 |
| 06:00 PM - 07:00 PM | 0.006 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 |
| 07:00 PM - 08:00 PM | 0.007 | 0.002 | 0.001 | 0.002 | 0.002 | 0.003 | 0.002 |
| 08:00 PM - 09:00 PM | 0.009 | 0.003 | 0.002 | 0.003 | 0.002 | 0.004 | 0.002 |
| 09:00 PM - 10:00 PM | 0.008 | 0.003 | 0.002 | 0.003 | 0.004 | 0.004 | 0.003 |
| 10:00 PM - 11:00 PM | 0.008 | 0.003 | 0.003 | 0.004 | 0.006 | 0.006 | 0.003 |
| 11:00 PM - 12:00 AM | 0.007 | 0.002 | 0.003 | 0.004 | 0.006 | 0.006 | 0.003 |
| 12:00 AM - 01:00 AM | 0.006 | 0.002 | 0.003 | 0.003 | 0.004 | 0.004 | 0.002 |
| 01:00 AM - 02:00 AM | 0.004 | 0.002 | 0.002 | 0.003 | 0.004 | 0.004 | 0.002 |
| 02:00 AM - 03:00 AM | 0.003 | 0.002 | 0.002 | 0.003 | 0.004 | 0.003 | 0.002 |
| 03:00 AM - 04:00 AM | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 | 0.002 | 0.001 |
| 04:00 AM - 05:00 AM | 0.003 | 0.002 | 0.002 | 0.002 | 0.003 | 0.002 | 0.002 |
| 05:00 AM - 06:00 AM | 0.003 | 0.003 | 0.002 | 0.003 | 0.003 | 0.002 | 0.002 |
| 06:00 AM - 07:00 AM | 0.004 | 0.003 | 0.002 | 0.002 | 0.003 | 0.002 | 0.002 |
| 07:00 AM - 08:00 AM | 0.005 | 0.004 | 0.005 | 0.003 | 0.004 | 0.002 | 0.003 |
| 08:00 AM - 09:00 AM | 0.008 | 0.007 | 0.009 | 0.004 | 0.005 | 0.003 | 0.005 |
| 09:00 AM - 10:00 AM | 0.008 | 0.007 | 0.007 | 0.004 | 0.005 | 0.003 | 0.008 |
| Average | 0.005 | 0.003 | 0.002 | 0.003 | 0.003 | 0.003 | 0.002 |
| 1hr - Maximum | 0.009 | 0.007 | 0.009 | 0.004 | 0.006 | 0.006 | 0.008 |
| Standard 1hr - Average | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 |

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Approved by

Sararat Mongkonjirawat

Supervisor

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S:\Reports_Air SOxNOx.rpt (4.42PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

250 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 2

Lot ID: 2292227

Date Received : Aug 09, 2022

Date Reported : Aug 16, 2022

Report Number: 2386914-1

Page 1 of 1

| | | | | | | | |
|---------------------------|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Sample Description | Air Quality | | | | | | |
| Location | Mapyangphon health care (GPS 47P 0731400, 1436972) | | | | | | |
| Parameter | Sulfur Dioxide (ppm) | | | | | | |
| Measurement Date | Aug 01, 2022 - Aug 08, 2022 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| | 2292227-1 | 2292227-2 | 2292227-3 | 2292227-4 | 2292227-5 | 2292227-6 | 2292227-7 |
| Time | Aug 01, 2022 | Aug 02, 2022 | Aug 03, 2022 | Aug 04, 2022 | Aug 05, 2022 | Aug 06, 2022 | Aug 07, 2022 |
| 09:00 AM - 10:00 AM | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 10:00 AM - 11:00 AM | 0.004 | 0.005 | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 |
| 11:00 AM - 12:00 PM | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 12:00 PM - 01:00 PM | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 01:00 PM - 02:00 PM | 0.004 | 0.005 | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 |
| 02:00 PM - 03:00 PM | 0.004 | 0.005 | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 |
| 03:00 PM - 04:00 PM | 0.004 | 0.004 | 0.004 | 0.005 | 0.004 | 0.005 | 0.004 |
| 04:00 PM - 05:00 PM | 0.003 | 0.005 | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 |
| 05:00 PM - 06:00 PM | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 06:00 PM - 07:00 PM | 0.006 | 0.004 | 0.004 | 0.005 | 0.004 | 0.005 | 0.004 |
| 07:00 PM - 08:00 PM | 0.006 | 0.004 | 0.004 | 0.005 | 0.004 | 0.005 | 0.004 |
| 08:00 PM - 09:00 PM | 0.005 | 0.004 | 0.004 | 0.004 | 0.005 | 0.004 | 0.004 |
| 09:00 PM - 10:00 PM | 0.005 | 0.005 | 0.004 | 0.004 | 0.005 | 0.004 | 0.004 |
| 10:00 PM - 11:00 PM | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 11:00 PM - 12:00 AM | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 12:00 AM - 01:00 AM | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 01:00 AM - 02:00 AM | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.005 |
| 02:00 AM - 03:00 AM | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.005 |
| 03:00 AM - 04:00 AM | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 04:00 AM - 05:00 AM | 0.005 | 0.006 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 |
| 05:00 AM - 06:00 AM | 0.005 | 0.006 | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 |
| 06:00 AM - 07:00 AM | 0.005 | 0.005 | 0.005 | 0.004 | 0.005 | 0.004 | 0.004 |
| 07:00 AM - 08:00 AM | 0.005 | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 |
| 08:00 AM - 09:00 AM | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Average | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 1hr - Maximum | 0.006 | 0.006 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Standard 1hr - Average | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Standard 24 hrs - Average | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

Approved by

Sararat Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

250 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 2

Lot ID: 2292227

Date Received : Aug 09, 2022

Date Reported : Aug 16, 2022

Report Number: 2406016-1

Page 1 of 1

| | | | | | | | |
|---------------------------|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Sample Description | Air Quality | | | | | | |
| Location | Moo 3 Ban Bowin (GPS 47P 0729719, 1441818) | | | | | | |
| Parameter | Sulfur Dioxide (ppm) | | | | | | |
| Measurement Date | Aug 01, 2022 - Aug 08, 2022 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| | 2292227-8 | 2292227-9 | 2292227-10 | 2292227-11 | 2292227-12 | 2292227-13 | 2292227-14 |
| Time | Aug 01, 2022 | Aug 02, 2022 | Aug 03, 2022 | Aug 04, 2022 | Aug 05, 2022 | Aug 06, 2022 | Aug 07, 2022 |
| 10:00 AM - 11:00 AM | 0.002 | 0.003 | 0.002 | 0.003 | 0.003 | 0.003 | 0.002 |
| 11:00 AM - 12:00 PM | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 |
| 12:00 PM - 01:00 PM | 0.003 | 0.002 | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 |
| 01:00 PM - 02:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 02:00 PM - 03:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 03:00 PM - 04:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 04:00 PM - 05:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 05:00 PM - 06:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 06:00 PM - 07:00 PM | 0.003 | 0.003 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 |
| 07:00 PM - 08:00 PM | 0.003 | 0.003 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 |
| 08:00 PM - 09:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 09:00 PM - 10:00 PM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 10:00 PM - 11:00 PM | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 11:00 PM - 12:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 12:00 AM - 01:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 01:00 AM - 02:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 02:00 AM - 03:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 03:00 AM - 04:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.003 | 0.003 |
| 04:00 AM - 05:00 AM | 0.003 | 0.002 | 0.003 | 0.003 | 0.004 | 0.003 | 0.003 |
| 05:00 AM - 06:00 AM | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 06:00 AM - 07:00 AM | 0.003 | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.002 |
| 07:00 AM - 08:00 AM | 0.003 | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.002 |
| 08:00 AM - 09:00 AM | 0.003 | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 09:00 AM - 10:00 AM | 0.003 | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.002 |
| Average | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 1hr - Maximum | 0.003 | 0.003 | 0.004 | 0.003 | 0.004 | 0.003 | 0.003 |
| Standard 1hr - Average | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Standard 24 hrs - Average | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

Approved by

Sararat Mongkonjirawut
Supervisor

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Analysis / Test Report



TESTING
No.0042

Lot ID: 2292229

Date Received : Aug 09, 2022

Date Reported : Aug 16, 2022

Report Number: 2386908-1

Client : Glow SPP 11 Co., Ltd.

250 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 2

Page 1 of 1

Sample Description Air Quality
Location Mapyangphon health care (GPS 47P 0731400, 1436972)
Date Analysis Commenced Aug 10, 2022
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag

| Sample Number | Sampled Date | Total Suspended Particulate (mg/m3) | Barometric Pressure (mm Hg) | Atmospheric Temperature (°C) |
|------------------|-----------------------|--|--------------------------------|---------------------------------|
| 2292229-1 | Aug 01 - Aug 02, 2022 | 0.038 | 755 | 29 |
| 2292229-2 | Aug 02 - Aug 03, 2022 | 0.030 | 755 | 29 |
| 2292229-3 | Aug 03 - Aug 04, 2022 | 0.045 | 755 | 30 |
| 2292229-4 | Aug 04 - Aug 05, 2022 | 0.029 | 755 | 30 |
| 2292229-5 | Aug 05 - Aug 06, 2022 | 0.030 | 755 | 30 |
| 2292229-6 | Aug 06 - Aug 07, 2022 | 0.031 | 755 | 30 |
| 2292229-7 | Aug 07 - Aug 08, 2022 | 0.021 | 755 | 30 |
| Guideline | | 0.33 | - | - |

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Satcha Phetsawaeng

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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19562-21 / EMAIL



Analysis / Test Report



TESTING
No.0042

Lot ID: 2292229

Date Received : Aug 09, 2022

Date Reported : Aug 16, 2022

Report Number: 2386908-2

Client : Glow SPP 11 Co., Ltd.

250 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 2

Page 1 of 1

Sample Description Air Quality
Location Moo 3 Ban Bowin (GPS 47P 0729719, 1441818)
Date Analysis Commenced Aug 10, 2022
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag

| Sample Number | Sampled Date | Total Suspended Particulate (mg/m3) | Barometric Pressure (mm Hg) | Atmospheric Temperature (°C) |
|------------------|-----------------------|--|--------------------------------|---------------------------------|
| 2292229-8 | Aug 01 - Aug 02, 2022 | 0.038 | 755 | 29 |
| 2292229-9 | Aug 02 - Aug 03, 2022 | 0.056 | 755 | 29 |
| 2292229-10 | Aug 03 - Aug 04, 2022 | 0.043 | 755 | 30 |
| 2292229-11 | Aug 04 - Aug 05, 2022 | 0.028 | 755 | 30 |
| 2292229-12 | Aug 05 - Aug 06, 2022 | 0.046 | 755 | 30 |
| 2292229-13 | Aug 06 - Aug 07, 2022 | 0.031 | 755 | 30 |
| 2292229-14 | Aug 07 - Aug 08, 2022 | 0.034 | 755 | 30 |
| Guideline | | 0.33 | - | - |

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Satcha Phetsawaeng

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
250 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 2

Lot ID: 2292291
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2386995-1

Page 1 of 1

| Sample Description | Air Quality | | | |
|--------------------------------|--|-------------------------------------|-----------------------------|------------------------------|
| Location | Mabyangporn health care (GPS 47P 0731400, 1436972) | | | |
| Date Analysis Commenced | Aug 10, 2022 | | | |
| Condition of Sample | Drawn into one quartz filter paper (8x10 inch) placed in plastic bag | | | |
| Sample Number | Sampled Date | Particulate matter as PM 10 (mg/m3) | Barometric Pressure (mm Hg) | Atmospheric Temperature (°C) |
| 2292291-1 | Aug 01 - Aug 02, 2022 | 0.018 | 755 | 29 |
| 2292291-2 | Aug 02 - Aug 03, 2022 | 0.016 | 755 | 29 |
| 2292291-3 | Aug 03 - Aug 04, 2022 | 0.021 | 755 | 30 |
| 2292291-4 | Aug 04 - Aug 05, 2022 | 0.017 | 755 | 30 |
| 2292291-5 | Aug 05 - Aug 06, 2022 | 0.020 | 755 | 30 |
| 2292291-6 | Aug 06 - Aug 07, 2022 | 0.020 | 755 | 30 |
| 2292291-7 | Aug 07 - Aug 08, 2022 | 0.014 | 755 | 30 |
| Guideline | | 0.12 | - | - |

Reference Method

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Satcha Phetsawaeng

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
250 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 2

Lot ID: 2292291
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2386995-2

Page 1 of 1

| Sample Description | Air Quality | | | |
|--------------------------------|--|-------------------------------------|-----------------------------|------------------------------|
| Location | Moo 3 Bowin (GPS 47P 0729719, 1441818) | | | |
| Date Analysis Commenced | Aug 10, 2022 | | | |
| Condition of Sample | Drawn into one quartz filter paper (8x10 inch) placed in plastic bag | | | |
| Sample Number | Sampled Date | Particulate matter as PM 10 (mg/m3) | Barometric Pressure (mm Hg) | Atmospheric Temperature (°C) |
| 2292291-8 | Aug 01 - Aug 02, 2022 | 0.028 | 755 | 29 |
| 2292291-9 | Aug 02 - Aug 03, 2022 | 0.024 | 755 | 29 |
| 2292291-10 | Aug 03 - Aug 04, 2022 | 0.023 | 755 | 30 |
| 2292291-11 | Aug 04 - Aug 05, 2022 | 0.017 | 755 | 30 |
| 2292291-12 | Aug 05 - Aug 06, 2022 | 0.024 | 755 | 30 |
| 2292291-13 | Aug 06 - Aug 07, 2022 | 0.019 | 755 | 30 |
| 2292291-14 | Aug 07 - Aug 08, 2022 | 0.015 | 755 | 30 |
| Guideline | | 0.12 | - | - |

Reference Method

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Satcha Phetsawaeng

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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19562-21 / EMAIL

S:\Reports_Air Ambient\7Days_1.rpt (3:18PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
250 Moo3, Siam Eastern Industrial Park, T. Mampangphong, A. Pluakdaeng,
Rayong Thailand 21140

Lot ID : 2292231
Date Received : Aug 09, 2022
Date Reported : Aug 15, 2022
Report Number : 2386890-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 2

Sample Number 2292231-1 to 7
Parameter Wind Speed / Wind Direction
Location Mampangphong health care (GPS 47P 0731400, 1436972)
Sampling Date Aug 01 - Aug 08, 2022
Sampling by Satcha Phetsawaeng

| Time | Aug 01 - Aug 02, 2022 | | | Aug 02 - Aug 03, 2022 | | | Aug 03 - Aug 04, 2022 | | | Aug 04 - Aug 05, 2022 | | | Aug 05 - Aug 06, 2022 | | | Aug 06 - Aug 07, 2022 | | | Aug 07 - Aug 08, 2022 | | |
|---------------------|-----------------------|----------|-----|-----------------------|----------|-----|-----------------------|----------|-----|-----------------------|----------|-----|-----------------------|----------|-----|-----------------------|----------|-----|-----------------------|----------|-----|
| | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | |
| 09:00 AM - 10:00 AM | 1.0 | 156.0 | SSE | 0.8 | 259.0 | W | 1.9 | 343.0 | NNW | 1.3 | 234.0 | SW | 1.2 | 190.0 | S | 1.2 | 219.0 | SW | 2.7 | 183.0 | S |
| 10:00 AM - 11:00 AM | 1.2 | 318.0 | NW | 1.3 | 283.0 | WNW | 1.3 | 284.0 | WNW | 1.4 | 95.0 | E | 1.3 | 203.0 | SSW | 1.5 | 232.0 | SW | 1.2 | 171.0 | S |
| 11:00 AM - 12:00 PM | 2.3 | 94.0 | E | 1.5 | 338.0 | NNW | 2.5 | 320.0 | NW | 1.5 | 278.0 | W | 0.5 | 331.0 | NNW | 0.2 | - | - | 1.4 | 230.0 | SW |
| 12:00 PM - 01:00 PM | 0.4 | 125.0 | SE | 2.5 | 279.0 | W | 2.2 | 337.0 | NNW | 2.2 | 271.0 | W | 0.8 | 88.0 | E | 1.7 | 195.0 | SSW | 2.1 | 204.0 | SSW |
| 01:00 PM - 02:00 PM | 1.2 | 254.0 | WSW | 1.7 | 149.0 | SSE | 2.8 | 358.0 | N | 2.5 | 224.0 | SW | 0.9 | 161.0 | SSE | 1.3 | 73.0 | ENE | 1.2 | 167.0 | SSE |
| 02:00 PM - 03:00 PM | 0.9 | 276.0 | W | 1.4 | 268.0 | W | 1.8 | 108.0 | ESE | 2.2 | 293.0 | WNW | 0.8 | 222.0 | SW | 2.1 | 98.0 | E | 0.9 | 183.0 | S |
| 03:00 PM - 04:00 PM | 0.8 | 251.0 | WSW | 1.3 | 18.0 | NNE | 1.2 | 273.0 | W | 1.8 | 158.0 | SSE | 0.2 | - | - | 1.0 | 204.0 | SSW | 1.2 | 188.0 | S |
| 04:00 PM - 05:00 PM | 1.0 | 215.0 | SW | 0.9 | 64.0 | ENE | 0.9 | 110.0 | ESE | 1.4 | 111.0 | ESE | 0.7 | 255.0 | WSW | 0.4 | 173.0 | S | 1.2 | 78.0 | ENE |
| 05:00 PM - 06:00 PM | 1.4 | 158.0 | SSE | 1.3 | 271.0 | W | 1.5 | 309.0 | NW | 1.2 | 41.0 | NE | 0.4 | 119.0 | ESE | 1.1 | 117.0 | ESE | 2.3 | 204.0 | SSW |
| 06:00 PM - 07:00 PM | 2.4 | 190.0 | S | 1.8 | 150.0 | SSE | 1.5 | 105.0 | ESE | 1.8 | 210.0 | SSW | 1.1 | 233.0 | SW | 0.5 | 220.0 | SW | 1.1 | 101.0 | E |
| 07:00 PM - 08:00 PM | 0.8 | 103.0 | ESE | 1.1 | 212.0 | SSW | 1.2 | 10.0 | N | 1.1 | 148.0 | SSE | 1.0 | 179.0 | S | 1.2 | 196.0 | SSW | 1.5 | 300.0 | WNW |
| 08:00 PM - 09:00 PM | 1.1 | 116.0 | ESE | 0.6 | 104.0 | ESE | 1.4 | 101.0 | E | 0.4 | 108.0 | ESE | 0.3 | 103.0 | ESE | 0.6 | 124.0 | SE | 1.8 | 171.0 | S |
| 09:00 PM - 10:00 PM | 2.0 | 117.0 | ESE | 1.1 | 100.0 | E | 1.5 | 98.0 | E | 0.9 | 114.0 | ESE | 1.4 | 87.0 | E | 0.8 | 253.0 | WSW | 0.6 | 150.0 | SSE |
| 10:00 PM - 11:00 PM | 2.3 | 119.0 | ESE | 1.8 | 100.0 | E | 0.3 | 98.0 | E | 1.4 | 162.0 | SSE | 1.1 | 326.0 | NW | 0.8 | 187.0 | S | 2.2 | 208.0 | SSW |
| 11:00 PM - 12:00 AM | 2.1 | 36.0 | NE | 0.3 | 101.0 | E | 1.0 | 117.0 | ESE | 0.7 | 152.0 | SSE | 1.7 | 92.0 | E | 1.3 | 102.0 | ESE | 0.9 | 135.0 | SE |
| 12:00 AM - 01:00 AM | 0.5 | 347.0 | NNW | 1.1 | 111.0 | ESE | 0.9 | 110.0 | ESE | 1.0 | 177.0 | S | 0.5 | 193.0 | SSW | 1.7 | 185.0 | S | 1.5 | 255.0 | WSW |
| 01:00 AM - 02:00 AM | 1.7 | 348.0 | NNW | 1.7 | 108.0 | ESE | 2.0 | 108.0 | ESE | 0.8 | 105.0 | ESE | 1.2 | 98.0 | E | 0.5 | 201.0 | SSW | 1.4 | 204.0 | SSW |
| 02:00 AM - 03:00 AM | 2.9 | 112.0 | ESE | 1.3 | 113.0 | ESE | 1.4 | 110.0 | ESE | 1.2 | 174.0 | S | 0.5 | 133.0 | SE | 1.2 | 159.0 | SSE | 1.2 | 106.0 | ESE |
| 03:00 AM - 04:00 AM | 1.3 | 98.0 | E | 2.9 | 67.0 | ENE | 1.4 | 111.0 | ESE | 1.3 | 118.0 | ESE | 0.4 | 161.0 | SSE | 1.4 | 245.0 | WSW | 0.9 | 135.0 | SE |
| 04:00 AM - 05:00 AM | 0.2 | - | - | 1.2 | 187.0 | S | 1.2 | 70.0 | ENE | 1.2 | 211.0 | SSW | 1.0 | 116.0 | ESE | 1.3 | 130.0 | SE | 1.6 | 134.0 | SE |
| 05:00 AM - 06:00 AM | 1.3 | 256.0 | WSW | 2.8 | 287.0 | WNW | 0.8 | 117.0 | ESE | 0.9 | 126.0 | SE | 1.5 | 176.0 | S | 1.6 | 242.0 | WSW | 0.8 | 120.0 | ESE |
| 06:00 AM - 07:00 AM | 1.6 | 294.0 | WNW | 2.3 | 276.0 | W | 1.7 | 225.0 | SW | 1.0 | 236.0 | SW | 1.4 | 262.0 | W | 1.7 | 107.0 | ESE | 0.2 | - | - |
| 07:00 AM - 08:00 AM | 1.3 | 283.0 | WNW | 2.0 | 205.0 | SSW | 1.4 | 184.0 | S | 2.3 | 269.0 | W | 1.2 | 106.0 | ESE | 1.0 | 141.0 | SE | 1.3 | 145.0 | SE |
| 08:00 AM - 09:00 AM | 0.7 | 285.0 | WNW | 0.8 | 295.0 | WNW | 1.2 | 278.0 | W | 0.2 | - | - | 1.4 | 200.0 | SSW | 1.5 | 234.0 | SW | 1.1 | 135.0 | SE |

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

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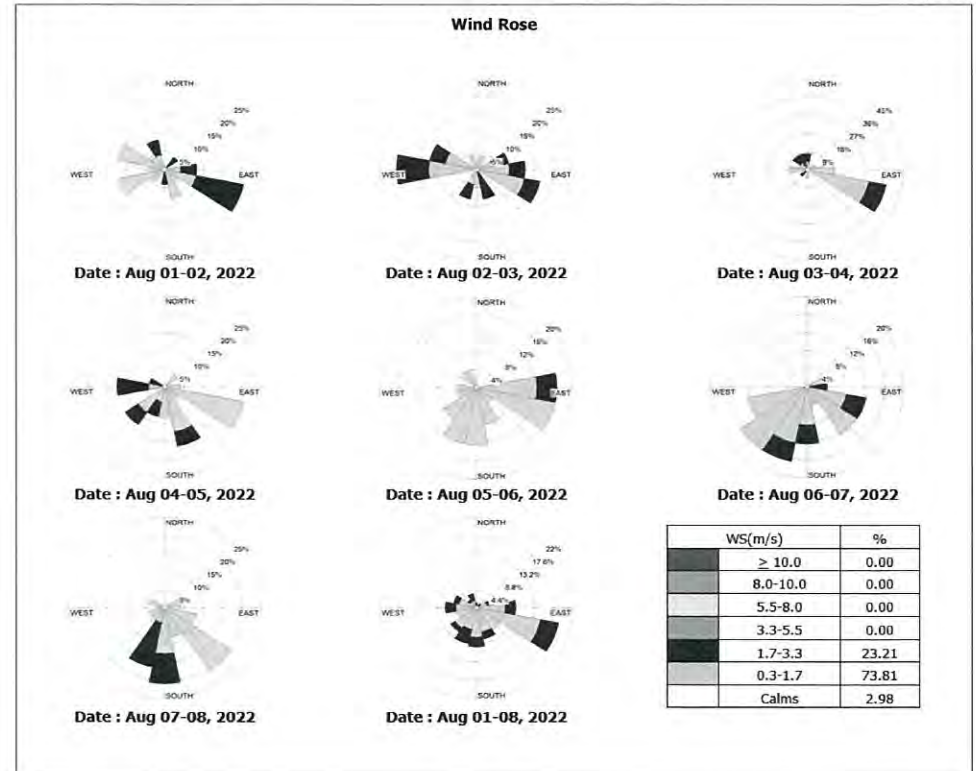


Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
250 Moo3, Siam Eastern Industrial Park, T. Mampangphong, A. Pluakdaeng,
Rayong Thailand 21140

Lot ID : 2292231
Date Received : Aug 09, 2022
Date Reported : Aug 15, 2022
Report Number : 2386890-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 2



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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
250 Moo3, Siam Eastern Industrial Park, T. Mpyangphon, A. Pluakdaeng,
Rayong Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 2

Lot ID : 2292231
Date Received : Aug 09, 2022
Date Reported : Aug 15, 2022
Report Number : 2386890-1

Sample Number : 2292231-8 to 14
Parameter : Wind Speed / Wind Direction
Location : Moo 3 Ban Bowin (GPS 47P 0729719, 1441818)
Sampling Date : Aug 01 - Aug 08, 2022
Sampling by : Satcha Phetsawaeng

| Time | Aug 01 - Aug 02, 2022 | | Aug 02 - Aug 03, 2022 | | Aug 03 - Aug 04, 2022 | | Aug 04 - Aug 05, 2022 | | Aug 05 - Aug 06, 2022 | | Aug 06 - Aug 07, 2022 | | Aug 07 - Aug 08, 2022 | |
|---------------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|
| | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) |
| 10:00 AM - 11:00 AM | 1.1 | 41.0 | NE | 1.3 | 72.0 | ENE | 1.0 | 355.0 | N | 1.1 | 16.0 | NNE | 2.7 | 144.0 |
| 11:00 AM - 12:00 PM | 1.2 | 40.0 | NE | 2.5 | 271.0 | W | 1.9 | 209.0 | SSW | 1.4 | 119.0 | ESE | 1.2 | 45.0 |
| 12:00 PM - 01:00 PM | 2.1 | 250.0 | WSW | 2.6 | 255.0 | WSW | 1.2 | 273.0 | W | 1.3 | 113.0 | ESE | 1.5 | 116.0 |
| 01:00 PM - 02:00 PM | 2.6 | 136.0 | SE | 2.6 | 96.0 | E | 0.8 | 46.0 | NE | 1.2 | 54.0 | NE | 0.5 | 60.0 |
| 02:00 PM - 03:00 PM | 1.0 | 59.0 | ENE | 2.6 | 146.0 | SE | 1.7 | 288.0 | WNW | 1.1 | 92.0 | E | 0.2 | - |
| 03:00 PM - 04:00 PM | 1.1 | 210.0 | SSW | 1.2 | 247.0 | WSW | 1.1 | 246.0 | WSW | 2.8 | 31.0 | NNE | 2.1 | 219.0 |
| 04:00 PM - 05:00 PM | 1.0 | 277.0 | W | 1.4 | 87.0 | E | 2.2 | 242.0 | WSW | 1.2 | 139.0 | SE | 1.3 | 115.0 |
| 05:00 PM - 06:00 PM | 1.6 | 61.0 | ENE | 1.6 | 165.0 | SSE | 1.2 | 240.0 | WSW | 1.5 | 129.0 | SE | 1.8 | 293.0 |
| 06:00 PM - 07:00 PM | 2.5 | 264.0 | W | 2.1 | 241.0 | WSW | 1.5 | 24.0 | NNE | 0.8 | 21.0 | NNE | 0.8 | 178.0 |
| 07:00 PM - 08:00 PM | 2.1 | 255.0 | WSW | 1.8 | 259.0 | W | 1.3 | 0.0 | N | 1.1 | 24.0 | NNE | 1.1 | 209.0 |
| 08:00 PM - 09:00 PM | 1.6 | 196.0 | SSW | 1.0 | 233.0 | SW | 0.4 | 219.0 | SW | 2.3 | 20.0 | NNE | 0.5 | 29.0 |
| 09:00 PM - 10:00 PM | 1.0 | 233.0 | SW | 1.8 | 265.0 | W | 0.9 | 61.0 | ENE | 0.3 | 92.0 | E | 0.5 | 340.0 |
| 10:00 PM - 11:00 PM | 0.9 | 250.0 | WSW | 0.5 | 252.0 | WSW | 1.1 | 0.0 | N | 0.5 | 142.0 | SE | 0.8 | 252.0 |
| 11:00 PM - 12:00 AM | 0.8 | 232.0 | SW | 1.5 | 156.0 | SSE | 0.6 | 240.0 | WSW | 0.5 | 109.0 | ESE | 0.5 | 265.0 |
| 12:00 AM - 01:00 AM | 1.4 | 201.0 | SSW | 0.3 | 306.0 | NW | 0.9 | 220.0 | SW | 1.3 | 13.0 | NNE | 0.6 | 236.0 |
| 01:00 AM - 02:00 AM | 0.9 | 217.0 | SW | 0.8 | 206.0 | SSW | 0.7 | 50.0 | NE | 0.1 | - | - | 0.5 | 284.0 |
| 02:00 AM - 03:00 AM | 0.5 | 261.0 | W | 1.6 | 263.0 | W | 0.4 | 201.0 | SSW | 0.3 | 4.0 | N | 0.7 | 248.0 |
| 03:00 AM - 04:00 AM | 0.4 | 281.0 | W | 0.2 | - | - | 0.9 | 285.0 | WNW | 0.5 | 249.0 | WSW | 0.3 | 244.0 |
| 04:00 AM - 05:00 AM | 1.3 | 68.0 | ENE | 0.7 | 257.0 | WSW | 0.6 | 238.0 | WSW | 0.9 | 168.0 | SSE | 0.8 | 257.0 |
| 05:00 AM - 06:00 AM | 0.3 | 64.0 | ENE | 0.3 | 336.0 | NNW | 0.2 | - | - | 1.0 | 22.0 | NNE | 0.9 | 232.0 |
| 06:00 AM - 07:00 AM | 0.2 | - | - | 0.4 | 283.0 | WNW | 0.3 | 238.0 | WSW | 0.4 | 34.0 | NE | 0.3 | 182.0 |
| 07:00 AM - 08:00 AM | 0.8 | 185.0 | S | 0.8 | 264.0 | W | 1.0 | 46.0 | NE | 1.1 | 34.0 | NE | 1.2 | 101.0 |
| 08:00 AM - 09:00 AM | 2.2 | 180.0 | S | 1.3 | 272.0 | W | 1.5 | 45.0 | NE | 2.1 | 35.0 | NE | 1.7 | 100.0 |
| 09:00 AM - 10:00 AM | 1.2 | 159.0 | SSE | 1.0 | 270.0 | W | 1.2 | 45.0 | NE | 1.5 | 36.0 | NE | 1.3 | 101.0 |

Reference Method : Cup Anemometer & Anodized Aluminum Vane Method

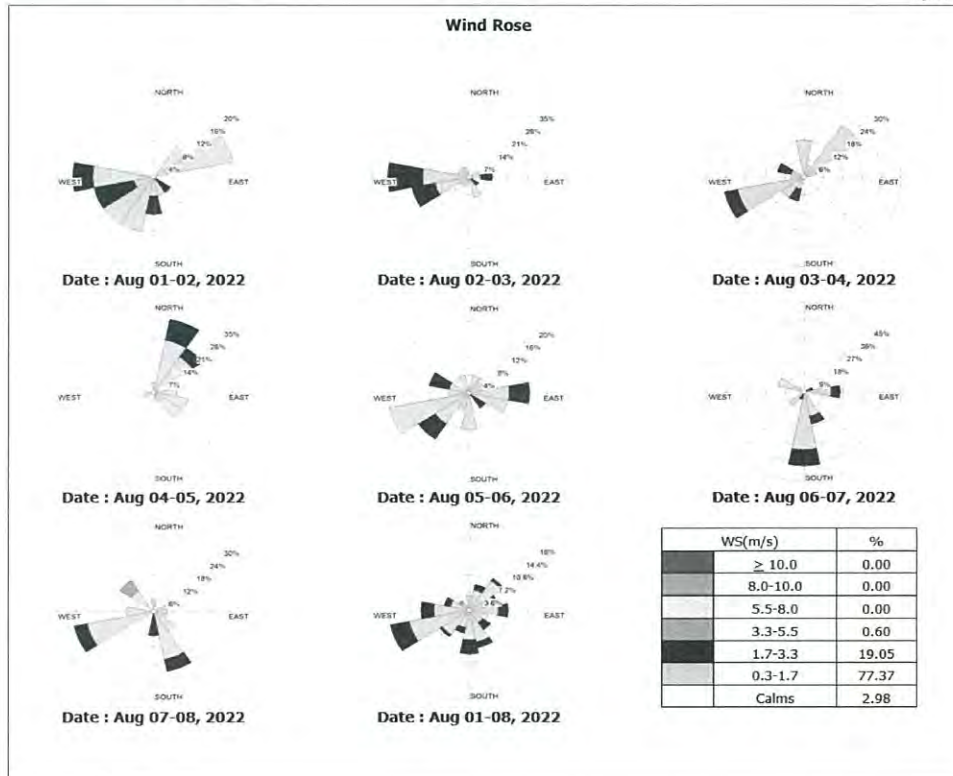


Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
250 Moo3, Siam Eastern Industrial Park, T. Mpyangphon, A. Pluakdaeng,
Rayong Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 2

Lot ID : 2292231
Date Received : Aug 09, 2022
Date Reported : Aug 15, 2022
Report Number : 2386890-1



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Approved by

Sarayuth Jittrant
Assistant General Manager

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Approved by

Sarayuth Jittrant
Assistant General Manager

คุณภาพอากาศจากแหล่งกำเนิด
ตรวจวัดแบบ stack sampling



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 2283676
Date Received : Aug 04, 2022
Date Reported : Aug 10, 2022
Report Number : 2367419-1

Page 1 of 1

Sample Number 2283676-1
Sample Description Emission from Stationary Source
Location Stack HRSG # 400 (GPS 47P 1438121, 731732)
Measurement Date Aug 01, 2022

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|----------------|--------|--------|
| Ambient Temperature | 32 | °C | Diameter | 3.42 | m | Oxygen | 13.72 | % |
| Ambient Pressure | 755 | mmHg | Shape | Circle | | Carbon dioxide | 3.84 | % |
| Type of Process | Combustion | | Stack Temperature | 110 | °C | Gas Velocity | 15.87 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 10.70 | % | Flow Rate | 361950 | Nm3/hr |

| Run No. | Sampling Time | Oxygen (%) | Carbon Dioxide (%) | Oxides of Nitrogen (ppm) | | Sulfur Dioxide (ppm) | |
|--|---------------------|------------|--------------------|--------------------------|----------------------|--------------------------|----------------------|
| | | | | at Actual O ₂ | at 7% O ₂ | at Actual O ₂ | at 7% O ₂ |
| 1 | 12:00 PM - 12:20 PM | 13.75 | 3.82 | 35.70 | 69.39 | 0.05 | 0.10 |
| 2 | 12:21 PM - 12:41 PM | 13.71 | 3.85 | 35.79 | 69.17 | 0.02 | 0.05 |
| 3 | 12:42 PM - 01:02 PM | 13.69 | 3.85 | 35.78 | 68.98 | 0.09 | 0.17 |
| Average (ppm) | | 13.72 | 3.84 | 35.75 | 69.18 | 0.06 | 0.11 |
| Guideline ^{1/} (ppm) | | | | - | 108 | - | 5 |
| Guideline ^{2/} (ppm) | | | | - | 120 | - | 20 |
| Result (mg/Nm ³) | | | | 67.27 | 130.15 | 0.14 | 0.28 |
| Emission Rate at Actual O ₂ (g/s) | | | | 6.7630 | | 0.0145 | |
| Guideline ^{1/} (g/s) | | | | 12.86 | | 0.83 | |
| Method | | | | US EPA Method 7E | | US EPA Method 6C | |

Sampled By : Anuvat Mounpai

Guideline : ^{1/} Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd.

^{2/} Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Wichan Choonharat
Wichan Choonharat
Manager
ทะเบียนเลขที่ ๖-204-ค-6113

Approved by

Sarayuth Jitranont
Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ ๖-204-ค-4702

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1



TESTING
No.0042

Lot ID: 2283696
Date Received : Aug 04, 2022
Date Reported : Oct 11, 2022
Report Number: 2367465-1 Rev. No.1

Page 1 of 2

Sample Number 2283696-1
Sampled Date Aug 01, 2022
Sample Description Emission from Stationary Source
Location Stack HRSG # 400 (GPS 47P 1438121, 731732)
Date Analysis Commenced Aug 05, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|------------------------------------|--------|--------|
| Ambient Pressure | 755 | mmHg | Diameter | 3.42 | m | Oxygen | 13.7 | % |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 3.8 | % |
| Type of Process | Combustion | | Stack Temperature | 110 | °C | Gas Velocity | 15.8 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 10.70 | % | Flow Rate (Actual O ₂) | 361534 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 % O ₂ at 13.7 % O ₂ | Guideline (1) | Guideline (2) | Method | Testing Location |
|-----------------------------|---------------------|-------|-----|-----------|---|---------------|---------------|------------------|------------------|
| Air Testing | | | | | | | | | |
| Total Suspended Particulate | 12:00 PM - 12:48 PM | mg/m3 | - | 0.5 | <0.5 <0.5 | 7 | 60 | US EPA, Method 5 | Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Thanita K.
Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ๖-323-ค-9447

Approved by

Dej Changchon
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ๖-323-ค-9442

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S:\Reports\Air Stack_O2_2GL.rpt (11:03AM)



Analysis / Test Report



TESTING
No.0042

Lot ID: 2283696

Date Received : Aug 04, 2022
Date Reported : Oct 11, 2022
Report Number: 2367465-1 Rev. No.1

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Sample Number 2283696-1

Sampled Date Aug 01, 2022

Sample Description Emission from Stationary Source

Location Stack HRSG # 400 (GPS 47P 1438121, 731732)

Date Analysis Commenced Aug 05, 2022

Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|--------|--------|
| Ambient Pressure | 755 | mmHg | Diameter | 3.42 | m | Oxygen | 13.7 | % |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 3.8 | % |
| Type of Process | Combustion | | Stack Temperature | 110 | °C | Gas Velocity | 15.8 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 10.70 | % | Flow Rate (Actual O2) | 361534 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result Emission Rate | Guideline (1) | Guideline (2) | Method | Testing Location |
|-------------------------------|---------------------|------|-----|-----------|----------------------|---------------|---------------|------------|------------------|
| Air Testing | | | | | | | | | |
| Total Suspended Particulate * | 12:00 PM - 12:48 PM | g/s | - | - | <0.050 | 0.44 | - | Calculated | Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Note:

This Analysis test report is reissued to supersede report No.2367465-1, Date Reported : Aug 15, 2022 due to revise analytical information.

Sampled By : Warawut Pulpba

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
โทรศัพท์ ๖-323-๙-9447

Approved by

Dej Changchon

Dej Changchon
Senior Manager
โทรศัพท์ ๖-323-๙-9442

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 2283682

Date Received : Aug 04, 2022

Date Reported : Aug 10, 2022

Report Number :2367415-1

Sample Number 2283682-1

Sample Description Emission from Stationary Source

Location Stack HRSG # 500 (GPS 47P 1438107, 731782)

Measurement Date Aug 02, 2022

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|----------------|--------|--------|
| Ambient Temperature | 32 | °C | Diameter | 3.42 | m | Oxygen | 14.25 | % |
| Ambient Pressure | 755 | mmHg | Shape | Circle | | Carbon dioxide | 3.95 | % |
| Type of Process | Combustion | | Stack Temperature | 110 | °C | Gas Velocity | 15.93 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 9.74 | % | Flow Rate | 367162 | Nm3/hr |

| Run No. | Sampling Time | Oxygen (%) | Carbon Dioxide (%) | Oxides of Nitrogen (ppm) | | Sulfur Dioxide (ppm) | |
|--|---------------------|------------|--------------------|--------------------------|----------------------|--------------------------|----------------------|
| | | | | at Actual O ₂ | at 7% O ₂ | at Actual O ₂ | at 7% O ₂ |
| 1 | 10:10 AM - 10:30 AM | 14.25 | 3.95 | 39.33 | 82.22 | 0.02 | 0.04 |
| 2 | 10:31 AM - 10:51 AM | 14.25 | 3.95 | 39.35 | 82.23 | 0.06 | 0.12 |
| 3 | 10:52 AM - 11:12 AM | 14.24 | 3.95 | 39.31 | 82.06 | 0.02 | 0.04 |
| Average (ppm) | | 14.25 | 3.95 | 39.33 | 82.17 | 0.03 | 0.07 |
| Guideline ^{1/} (ppm) | | | | - | 108 | - | 5 |
| Guideline ^{2/} (ppm) | | | | - | 120 | - | 20 |
| Result (mg/Nm ³) | | | | 74.00 | 154.59 | 0.08 | 0.17 |
| Emission Rate at Actual O ₂ (g/s) | | | | 7.5468 | | 0.0084 | |
| Guideline ^{1/} (g/s) | | | | 12.86 | | 0.83 | |
| Method | | | | US EPA Method 7E | | US EPA Method 6C | |

Sampled By : Anuvat Mounpai

Guideline : ^{1/} Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd.

^{2/} Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Wichan Choonharat

Wichan Choonharat
Manager
โทรศัพท์ ๖-204-๙-6113

Approved by

Sarayuth Jitranont

Sarayuth Jitranont
Assistant General Manager
โทรศัพท์ ๖-204-๙-4702

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1



TESTING
No.0042

Lot ID: 2283702

Date Received : Aug 04, 2022

Date Reported : Oct 11, 2022

Report Number: 2367463-1 Rev. No.1

Page 1 of 2

Sample Number 2283702-1
Sampled Date Aug 02, 2022
Sample Description Emission from Stationary Source
Location Stack HRSG # 500 (GPS 47P 1438107, 731782)
Date Analysis Commenced Aug 05, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|--------|--------|
| Ambient Pressure | 755 | mmHg | Diameter | 3.42 | m | Oxygen | 14.2 | % |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 4.0 | % |
| Type of Process | Combustion | | Stack Temperature | 110 | °C | Gas Velocity | 15.9 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 9.62 | % | Flow Rate (Actual O2) | 367113 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 % O ₂ | Result at 14.2 % O ₂ | Guideline (1) | Guideline (2) | Method | Testing Location |
|-----------------------------|---------------------|-------|-----|-----------|------------------------------|---------------------------------|---------------|---------------|------------------|------------------|
| Total Suspended Particulate | 10:10 AM - 10:58 AM | mg/m3 | - | 0.5 | <0.5 | <0.5 | 7 | 60 | US EPA, Method 5 | Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)

Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1



TESTING
No.0042

Lot ID: 2283702

Date Received : Aug 04, 2022

Date Reported : Oct 11, 2022

Report Number: 2367463-1 Rev. No.1

Page 2 of 2

Sample Number 2283702-1
Sampled Date Aug 02, 2022
Sample Description Emission from Stationary Source
Location Stack HRSG # 500 (GPS 47P 1438107, 731782)
Date Analysis Commenced Aug 05, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|--------|--------|
| Ambient Pressure | 755 | mmHg | Diameter | 3.42 | m | Oxygen | 14.2 | % |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 4.0 | % |
| Type of Process | Combustion | | Stack Temperature | 110 | °C | Gas Velocity | 15.9 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 9.62 | % | Flow Rate (Actual O2) | 367113 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result Emission Rate | Guideline (1) | Guideline (2) | Method | Testing Location |
|-------------------------------|---------------------|------|-----|-----------|----------------------|---------------|---------------|------------|------------------|
| Total Suspended Particulate * | 10:10 AM - 10:58 AM | g/s | - | - | <0.051 | 0.44 | - | Calculated | Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)

Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Note:

This Analysis test report is issued to supersede report No.2367463-1, Date Reported : Aug 11, 2022 due to revise analytical information.

Sampled By : Warawut Pubpa

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

โทรศัพท์ 323-9-9447

Approved by

Dej Changchon

Dej Changchon
Senior Manager

โทรศัพท์ 323-9-9442

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

โทรศัพท์ 323-9-9447

Approved by

Dej Changchon

Dej Changchon
Senior Manager

โทรศัพท์ 323-9-9442

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 2283683

Date Received : Aug 04, 2022

Date Reported : Aug 10, 2022

Report Number : 2367413-1

Page 1 of 1

Sample Number 2283683-1
Sample Description Emission from Stationary Source
Location GEG # 1 (GPS 47P 1438227, 731808)
Measurement Date Aug 02, 2022

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|----------------|-------|--------|
| Ambient Temperature | 32 | °C | Diameter | 0.95 | m | Oxygen | 11.13 | % |
| Ambient Pressure | 755 | mmHg | Shape | Circle | | Carbon dioxide | 5.61 | % |
| Type of Process | Combustion | | Stack Temperature | 384 | °C | Gas Velocity | 28.36 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 11.04 | % | Flow Rate | 29068 | Nm3/hr |

| Run No. | Sampling Time | Oxygen (%) | Carbon Dioxide (%) | Oxides of Nitrogen (ppm) | | Sulfur Dioxide (ppm) | |
|--|---------------------|------------|--------------------|--------------------------|----------------------|--------------------------|----------------------|
| | | | | at Actual O ₂ | at 7% O ₂ | at Actual O ₂ | at 7% O ₂ |
| 1 | 01:20 PM - 01:40 PM | 11.16 | 5.59 | 66.26 | 94.55 | 0.13 | 0.18 |
| 2 | 01:41 PM - 02:01 PM | 11.12 | 5.62 | 69.84 | 99.21 | 0.17 | 0.24 |
| 3 | 02:02 PM - 02:22 PM | 11.13 | 5.63 | 69.80 | 99.27 | 0.17 | 0.24 |
| Average (ppm) | | 11.13 | 5.61 | 68.63 | 97.68 | 0.16 | 0.22 |
| Guideline ^{1/} (ppm) | | | | - | 105 | - | 5 |
| Guideline ^{2/} (ppm) | | | | - | 120 | - | 20 |
| Result (mg/Nm ³) | | | | 129.12 | 183.77 | 0.41 | 0.58 |
| Emission Rate at Actual O ₂ (g/s) | | | | 1.0426 | | 0.0033 | |
| Guideline ^{1/} (g/s) | | | | 1.19 | | 0.08 | |
| Method | | | | US EPA Method 7E | | US EPA Method 6C | |

Sampled By : Anuvat Moungpai

Guideline : ^{1/} Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd.

^{2/} Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Wichan Choonharat
Wichan Choonharat
Manager
หมายเลขโทรศัพท์ 2-204-6113

Approved by

Sarayuth Jitranont
Sarayuth Jitranont
Assistant General Manager
หมายเลขโทรศัพท์ 2-204-4702

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1



TESTING

No.0042

Lot ID: 2283703

Date Received : Aug 04, 2022

Date Reported : Oct 11, 2022

Report Number : 2367457-1 Rev. No.1

Page 1 of 2

Sample Number 2283703-1
Sampled Date Aug 02, 2022
Sample Description Emission from Stationary Source
Location GEG # 1 (GPS 47P 1438227, 731808)
Date Analysis Commenced Aug 05, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|------------------------------------|-------|--------|
| Ambient Pressure | 755 | mmHg | Diameter | 0.95 | m | Oxygen | 11.1 | % |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 5.6 | % |
| Type of Process | Combustion | | Stack Temperature | 384 | °C | Gas Velocity | 28.3 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 11.03 | % | Flow Rate (Actual O ₂) | 29035 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 % O ₂ at 11.1 % O ₂ | Guideline (1) | Guideline (2) | Method | Testing Location |
|-----------------------------|---------------------|-------------------|-----|-----------|---|---------------|---------------|--------|-------------------------|
| Air Testing | | | | | | | | | |
| Total Suspended Particulate | 01:20 PM - 02:08 PM | mg/m ³ | - | 0.5 | 1.5 | 1.1 | 15 | 60 | US EPA, Method 5 Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)

Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Thanita K.
Thanita Kulsuriwong
Scientist (4)
หมายเลขโทรศัพท์ 2-323-9447

Approved by

Dej Changchon
Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 2-323-9442

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample Number 2283703-1
Sampled Date Aug 02, 2022
Sample Description Emission from Stationary Source
Location GEG # 1 (GPS 47P 1438227, 731808)
Date Analysis Commenced Aug 05, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle.

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|-------|--------|
| Ambient Pressure | 755 | mmHg | Diameter | 0.95 | m | Oxygen | 11.1 | % |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 5.6 | % |
| Type of Process | Combustion | | Stack Temperature | 384 | °C | Gas Velocity | 28.3 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 11.03 | % | Flow Rate (Actual O2) | 29035 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result Emission Rate | Guideline (1) | Guideline (2) | Method | Testing Location |
|-------------------------------|---------------------|------|-----|-----------|----------------------|---------------|---------------|------------|------------------|
| Total Suspended Particulate * | 01:20 PM - 02:08 PM | g/s | - | - | 0.009 | 0.09 | - | Calculated | Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Note:
This Analysis test report is issued to supersede report No.2367457-1, Date Reported : Aug 11, 2022 due to revise analytical information.

Sampled By : Warawut Pubpa

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ๖-323-๙-9447

Approved by

Dej Chongchon

Dej Chongchon
Senior Manager
ทะเบียนเลขที่ ๖-323-๙-9442

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TESTING
No.0042

Lot ID: 2283703

Date Received : Aug 04, 2022
Date Reported : Oct 11, 2022
Report Number: 2367457-1 Rev. No.1

Page 2 of 2



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 2283684

Date Received : Aug 04, 2022
Date Reported : Aug 10, 2022
Report Number :2367412-1

Page 1 of 1

Sample Number 2283684-1
Sample Description Emission from Stationary Source
Location GEG # 2 (GPS 47P 1438225, 731815)
Measurement Date Aug 02, 2022

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|----------------|-------|--------|
| Ambient Temperature | 32 | °C | Diameter | 0.95 | m | Oxygen | 11.48 | % |
| Ambient Pressure | 755 | mmHg | Shape | Circle | | Carbon dioxide | 5.42 | % |
| Type of Process | Combustion | | Stack Temperature | 371 | °C | Gas Velocity | 29.88 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 10.58 | % | Flow Rate | 31396 | Nm3/hr |

| Run No. | Sampling Time | Oxygen (%) | Carbon Dioxide (%) | Oxides of Nitrogen (ppm) | | Sulfur Dioxide (ppm) | |
|--|---------------------|------------|--------------------|--------------------------|----------------------|--------------------------|----------------------|
| | | | | at Actual O ₂ | at 7% O ₂ | at Actual O ₂ | at 7% O ₂ |
| 1 | 02:45 PM - 03:05 PM | 11.51 | 5.41 | 55.81 | 82.62 | 0.08 | 0.11 |
| 2 | 03:06 PM - 03:26 PM | 11.52 | 5.40 | 55.05 | 81.56 | 0.08 | 0.12 |
| 3 | 03:27 PM - 03:47 PM | 11.40 | 5.47 | 60.53 | 88.59 | 0.10 | 0.15 |
| Average (ppm) | | 11.48 | 5.42 | 57.13 | 84.26 | 0.09 | 0.13 |
| Guideline ¹ (ppm) | | | | - | 105 | - | 5 |
| Guideline ² (ppm) | | | | - | 120 | - | 20 |
| Result (mg/Nm ³) | | | | 107.48 | 158.52 | 0.22 | 0.33 |
| Emission Rate at Actual O ₂ (g/s) | | | | 0.9374 | | 0.0019 | |
| Guideline ¹ (g/s) | | | | 1.19 | | 0.08 | |
| Method | | | | US EPA Method 7E | | US EPA Method 6C | |

Sampled By : Anuvat Moungpai

Guideline : ¹ Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd.
² Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Wichan Choonharat
Wichan Choonharat
Manager
ทะเบียนเลขที่ ๖-204-๙-6113

Approved by

Sarayuth Jitranont
Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ ๖-204-๙-4702

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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 2283704

Date Received : Aug 04, 2022

Date Reported : Oct 11, 2022

Report Number: 2367455-1 Rev. No.1

Page 1 of 2

Sample Number 2283704-1
Sampled Date Aug 02, 2022
Sample Description Emission from Stationary Source
Location GEG # 2 (GPS 47P 1438225, 731815)
Date Analysis Commenced Aug 05, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle.

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|-------|--------|
| Ambient Pressure | 755 | mmHg | Diameter | 0.95 | m | Oxygen | 11.5 | % |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 5.4 | % |
| Type of Process | Combustion | | Stack Temperature | 371 | °C | Gas Velocity | 29.8 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 10.57 | % | Flow Rate (Actual O2) | 31363 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 %O ₂ at 11.5 % O ₂ | Guideline (1) | Guideline (2) | Method | Testing Location | |
|-----------------------------|---------------------|-------------------|-----|-----------|--|---------------|---------------|--------|------------------|--------|
| Air Testing | | | | | | | | | | |
| Total Suspended Particulate | 02:45 PM - 03:33 PM | mg/m ³ | - | 0.5 | <0.5 | <0.5 | 15 | 60 | US EPA, Method 5 | Rayong |

Guideline :

- Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)
- Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
โทรศัพท์ 323-3-9447

Approved by

D. Chongchon

Dej Changchon
Senior Manager
โทรศัพท์ 323-3-9442

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S:\Reports\Air Stack_O2_2GL.rpt (11:11AM)

19560-21/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 2283704

Date Received : Aug 04, 2022

Date Reported : Oct 11, 2022

Report Number: 2367455-1 Rev. No.1

Page 2 of 2

Sample Number 2283704-1
Sampled Date Aug 02, 2022
Sample Description Emission from Stationary Source
Location GEG # 2 (GPS 47P 1438225, 731815)
Date Analysis Commenced Aug 05, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle.

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|-------|--------|
| Ambient Pressure | 755 | mmHg | Diameter | 0.95 | m | Oxygen | 11.5 | % |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 5.4 | % |
| Type of Process | Combustion | | Stack Temperature | 371 | °C | Gas Velocity | 29.8 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 10.57 | % | Flow Rate (Actual O2) | 31363 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result Emission Rate | Guideline (1) | Guideline (2) | Method | Testing Location |
|-------------------------------|---------------------|------|-----|-----------|----------------------|---------------|---------------|------------|------------------|
| Air Testing | | | | | | | | | |
| Total Suspended Particulate * | 02:45 PM - 03:33 PM | g/s | - | - | <0.004 | 0.09 | - | Calculated | Rayong |

Guideline :

- Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)
- Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Note:

This Analysis test report is reissued to supersede report No.2367455-1, Date Reported : Aug 11, 2022 due to revise analytical information.

Sampled By : Warawut Pubpa

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
โทรศัพท์ 323-3-9447

Approved by

D. Chongchon

Dej Changchon
Senior Manager
โทรศัพท์ 323-3-9442

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19560-21/ EMAIL

S:\Reports\Air Stack_O2_2GL.rpt (11:11AM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 2283685
Date Received : Aug 04, 2022
Date Reported : Aug 10, 2022
Report Number : 2367408-1

Page 1 of 1

| | |
|---------------------------|-----------------------------------|
| Sample Number | 2283685-1 |
| Sample Description | Emission from Stationary Source |
| Location | GEG # 3 (GPS 47P 1438224, 731797) |
| Measurement Date | Aug 03, 2022 |

| Stack Description | | | | | |
|---------------------|-------------|-------------------|---------|----------------|--------------|
| Ambient Temperature | 32 °C | Diameter | 0.95 m | Oxygen | 10.72 % |
| Ambient Pressure | 755 mmHg | Shape | Circle | Carbon dioxide | 5.38 % |
| Type of Process | Combustion | Stack Temperature | 359 °C | Gas Velocity | 31.33 m/s |
| Type of Fuel | Natural Gas | Moisture | 10.88 % | Flow Rate | 33425 Nm3/hr |

| Run No. | Sampling Time | Oxygen (%) | Carbon Dioxide (%) | Oxides of Nitrogen (ppm) | | Sulfur Dioxide (ppm) | |
|--|---------------------|------------|--------------------|--------------------------|----------------------|--------------------------|----------------------|
| | | | | at Actual O ₂ | at 7% O ₂ | at Actual O ₂ | at 7% O ₂ |
| 1 | 11:40 AM - 12:00 PM | 10.73 | 5.37 | 60.53 | 82.75 | 0.10 | 0.14 |
| 2 | 12:01 PM - 12:21 PM | 10.72 | 5.38 | 60.68 | 82.83 | 0.09 | 0.13 |
| 3 | 12:22 PM - 12:42 PM | 10.72 | 5.38 | 60.87 | 83.12 | 0.10 | 0.13 |
| Average (ppm) | | 10.72 | 5.38 | 60.69 | 82.90 | 0.10 | 0.13 |
| Guideline ^{1/} (ppm) | | | | - | 105 | - | 5 |
| Guideline ^{2/} (ppm) | | | | - | 120 | - | 20 |
| Result (mg/Nm ³) | | | | 114.19 | 155.96 | 0.25 | 0.35 |
| Emission Rate at Actual O ₂ (g/s) | | | | 1.0602 | | 0.0024 | |
| Guideline ^{1/} (g/s) | | | | 1.19 | | 0.08 | |
| Method | | | | US EPA Method 7E | | US EPA Method 6C | |

Sampled By : Anuvat Moungpai

Guideline : ^{1/} Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd.

^{2/} Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Wichan Choonharat
Wichan Choonharat
Manager
ทะเบียนเลขที่ ๖-204-๕-6113

Approved by

Sarayuth Jittrant
Sarayuth Jittrant
Assistant General Manager
ทะเบียนเลขที่ ๖-204-๕-4702

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1



TESTING
No.0042

Lot ID: 2283705
Date Received : Aug 04, 2022
Date Reported : Oct 11, 2022
Report Number : 2367449-1 Rev. No.1

Page 1 of 2

| | |
|--------------------------------|---|
| Sample Number | 2283705-1 |
| Sampled Date | Aug 03, 2022 |
| Sample Description | Emission from Stationary Source |
| Location | GEG # 3 (GPS 47P 1438224, 731797) |
| Date Analysis Commenced | Aug 05, 2022 |
| Condition of Sample | Extracted into one filter paper placed in plastic petri dish and one plastic bottle |

| Stack Description | | | | | |
|---------------------|-------------|-------------------|---------|------------------------------------|--------------|
| Ambient Pressure | 755 mmHg | Diameter | 0.95 m | Oxygen | 10.7 % |
| Ambient Temperature | 32.0 °C | Shape | Circle | Carbon Dioxide | 5.4 % |
| Type of Process | Combustion | Stack Temperature | 359 °C | Gas Velocity | 31.3 m/s |
| Type of Fuel | Natural Gas | Moisture | 10.89 % | Flow Rate (Actual O ₂) | 33382 Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 % O ₂ | Result at 10.7 % O ₂ | Guideline (1) | Guideline (2) | Method | Testing Location |
|-----------------------------|---------------------|-------|-----|-----------|------------------------------|---------------------------------|---------------|---------------|------------------|------------------|
| Air Testing | | | | | | | | | | |
| Total Suspended Particulate | 11:40 AM - 12:22 PM | mg/m3 | - | 0.5 | 1.4 | 1.0 | 15 | 60 | US EPA, Method 5 | Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)

Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Thanita Kulsuriwong
Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ๖-323-๕-9447

Approved by

Dej Changchon
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ๖-323-๕-9442

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Analysis / Test Report



TESTING
No.0042

Lot ID: 2283705

Date Received : Aug 04, 2022

Date Reported : Oct 11, 2022

Report Number: 2367449-1 Rev. No.1

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Sample Number 2283705-1

Sampled Date Aug 03, 2022

Sample Description Emission from Stationary Source

Location GEG # 3 (GPS 47P 1438224, 731797)

Date Analysis Commenced Aug 05, 2022

Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|-------|--------|
| Ambient Pressure | 755 | mmHg | Diameter | 0.95 | m | Oxygen | 10.7 | % |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 5.4 | % |
| Type of Process | Combustion | | Stack Temperature | 359 | °C | Gas Velocity | 31.3 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 10.89 | % | Flow Rate (Actual O2) | 33382 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result Emission Rate | Guideline (1) | Guideline (2) | Method | Testing Location |
|-------------------------------|---------------------|------|-----|-----------|----------------------|---------------|---------------|------------|------------------|
| Air Testing | | | | | | | | | |
| Total Suspended Particulate * | 11:40 AM - 12:22 PM | g/s | - | - | 0.010 | 0.09 | - | Calculated | Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)

Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Note:

This Analysis test report is reissued to supersede report No.2367449-1, Date Reported : Aug 11, 2022 due to revise analytical information.

Sampled By : Warawut Pubpa

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong

Scientist (4)

ทะเบียนเลขที่ ๖-323-๖-9447

Approved by

D. Choon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 2283686

Date Received : Aug 04, 2022

Date Reported : Aug 10, 2022

Report Number : 2367395-1

Sample Number 2283686-1

Sample Description Emission from Stationary Source

Location GEG # 4 (GPS 47P 1438222, 731825)

Measurement Date Aug 03, 2022

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|----------------|-------|--------|
| Ambient Temperature | 32 | °C | Diameter | 0.95 | m | Oxygen | 10.40 | % |
| Ambient Pressure | 755 | mmHg | Shape | Circle | | Carbon dioxide | 5.55 | % |
| Type of Process | Combustion | | Stack Temperature | 390 | °C | Gas Velocity | 29.42 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 10.40 | % | Flow Rate | 30064 | Nm3/hr |

| Run No. | Sampling Time | Oxygen (%) | Carbon Dioxide (%) | Oxides of Nitrogen (ppm) at Actual O ₂ | Oxides of Nitrogen (ppm) at 7% O ₂ | Sulfur Dioxide (ppm) at Actual O ₂ | Sulfur Dioxide (ppm) at 7% O ₂ |
|--|---------------------|------------|--------------------|---|---|---|---|
| 1 | 10:20 AM - 10:40 AM | 10.41 | 5.54 | 54.78 | 72.56 | 0.35 | 0.47 |
| 2 | 10:41 AM - 11:01 AM | 10.40 | 5.54 | 54.37 | 72.00 | 0.29 | 0.38 |
| 3 | 11:02 AM - 11:22 AM | 10.39 | 5.55 | 54.69 | 72.34 | 0.29 | 0.39 |
| Average (ppm) | | 10.40 | 5.55 | 54.61 | 72.30 | 0.31 | 0.41 |
| Guideline ^{1/} (ppm) | | | | - | 105 | - | 5 |
| Guideline ^{2/} (ppm) | | | | - | 120 | - | 20 |
| Result (mg/Nm ³) | | | | 102.75 | 136.02 | 0.82 | 1.08 |
| Emission Rate at Actual O ₂ (g/s) | | | | 0.8580 | | 0.0068 | |
| Guideline ^{1/} (g/s) | | | | 1.19 | | 0.08 | |
| Method | | | | US EPA Method 7E | | US EPA Method 6C | |

Sampled By : Anuvat Mounpa

Guideline : ^{1/} Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd.

^{2/} Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Wichan Choonharat

Wichan Choonharat

Manager

ทะเบียนเลขที่ ๖-204-๖-6113

Approved by

Sarayuth Jitranont

Sarayuth Jitranont

Assistant General Manager

ทะเบียนเลขที่ ๖-204-๖-4702

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mpyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1



TESTING
No.0042

Lot ID: 2283706
Date Received : Aug 04, 2022
Date Reported : Oct 11, 2022
Report Number: 2367447-1 Rev. No.1

Page 1 of 2

Sample Number 2283706-1
Sampled Date Aug 03, 2022
Sample Description Emission from Stationary Source
Location GEG # 4 (GPS 47P 1438222, 731825)
Date Analysis Commenced Aug 05, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|-------|--------|
| Ambient Pressure | 755 | mmHg | Diameter | 0.95 | m | Oxygen | 10.4 | % |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 5.6 | % |
| Type of Process | Combustion | | Stack Temperature | 390 | °C | Gas Velocity | 29.4 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 10.24 | % | Flow Rate (Actual O2) | 30072 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 %O ₂ at 10.4 % O ₂ | | Guideline (1) | Guideline (2) | Method | Testing Location |
|-----------------------------|---------------------|-------|-----|-----------|---|------|---------------|---------------|------------------|------------------|
| Air Testing | | | | | | | | | | |
| Total Suspended Particulate | 10:20 AM - 11:08 AM | mg/m3 | - | 0.5 | <0.5 | <0.5 | 15 | 60 | US EPA, Method 5 | Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Thanita K.
Thanita Kulsuriwong
Scientist (4)
หมายเลขโทรศัพท์ 3-323-9-9447

Approved by

D. Changchon
Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3-323-9-9442

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mpyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1



TESTING
No.0042

Lot ID: 2283706
Date Received : Aug 04, 2022
Date Reported : Oct 11, 2022
Report Number: 2367447-1 Rev. No.1

Page 2 of 2

Sample Number 2283706-1
Sampled Date Aug 03, 2022
Sample Description Emission from Stationary Source
Location GEG # 4 (GPS 47P 1438222, 731825)
Date Analysis Commenced Aug 05, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|-------|--------|
| Ambient Pressure | 755 | mmHg | Diameter | 0.95 | m | Oxygen | 10.4 | % |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 5.6 | % |
| Type of Process | Combustion | | Stack Temperature | 390 | °C | Gas Velocity | 29.4 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 10.24 | % | Flow Rate (Actual O2) | 30072 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result Emission Rate | Guideline (1) | Guideline (2) | Method | Testing Location |
|-------------------------------|---------------------|------|-----|-----------|----------------------|---------------|---------------|------------|------------------|
| Air Testing | | | | | | | | | |
| Total Suspended Particulate * | 10:20 AM - 11:08 AM | g/s | - | - | <0.004 | 0.09 | - | Calculated | Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Note:

This Analysis test report is reissued to supersede report No.2367447-1, Date Reported : Aug 11, 2022 due to revise analytical information.

Sampled By : Warawut Pubpa

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Thanita K.
Thanita Kulsuriwong
Scientist (4)
หมายเลขโทรศัพท์ 3-323-9-9447

Approved by

D. Changchon
Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3-323-9-9442

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 2283687

Date Received : Sep 14, 2022

Date Reported : Sep 20, 2022

Report Number : 2367392-1

Page 1 of 1

Sample Number 2283687-1
Sample Description Emission from Stationary Source
Location GEG # 5
Measurement Date Sep 14, 2022

Stack Description

| | | | | | |
|---------------------|-------------|-------------------|---------|----------------|--------------|
| Ambient Temperature | 30 °C | Diameter | 1.20 m | Oxygen | 10.67 % |
| Ambient Pressure | 759 mmHg | Shape | Circle | Carbon dioxide | 5.94 % |
| Type of Process | Combustion | Stack Temperature | 392 °C | Gas Velocity | 18.01 m/s |
| Type of Fuel | Natural Gas | Moisture | 11.15 % | Flow Rate | 29156 Nm3/hr |

| Run No. | Sampling Time | Oxygen (%) | Carbon Dioxide (%) | Oxides of Nitrogen (ppm) | | Sulfur Dioxide (ppm) | |
|--|---------------------|------------|--------------------|--------------------------|----------------------|--------------------------|----------------------|
| | | | | at Actual O ₂ | at 7% O ₂ | at Actual O ₂ | at 7% O ₂ |
| 1 | 10:50 AM - 11:10 AM | 10.61 | 5.98 | 18.43 | 24.90 | 0.08 | 0.10 |
| 2 | 11:11 AM - 11:31 AM | 10.69 | 5.93 | 19.14 | 26.06 | 0.07 | 0.09 |
| 3 | 11:32 AM - 11:52 AM | 10.72 | 5.91 | 18.66 | 25.47 | 0.07 | 0.10 |
| Average (ppm) | | 10.67 | 5.94 | 18.74 | 25.48 | 0.07 | 0.10 |
| Guideline ^{1/} (ppm) | | | | - | 35 | - | 5 |
| Guideline ^{2/} (ppm) | | | | - | 120 | - | 20 |
| Result (mg/Nm ³) | | | | 35.27 | 47.93 | 0.19 | 0.26 |
| Emission Rate at Actual O ₂ (g/s) | | | | 0.2856 | | 0.0015 | |
| Guideline ^{1/} (g/s) | | | | 0.50 | | 0.10 | |
| Method | | | | US EPA Method 7E | | US EPA Method 6C | |

Sampled By : Navaphut Srivriya

Guideline : ^{1/} Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd.

^{2/} Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Wichan Choonharat
Wichan Choonharat
Manager
โทรศัพท์ 204-6113

Approved by

Sarayuth Jitranont
Sarayuth Jitranont
Assistant General Manager
โทรศัพท์ 204-4702

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1



TESTING
No.0042

Lot ID: 2283707

Date Received : Sep 14, 2022

Date Reported : Sep 22, 2022

Report Number : 2367444-1

Page 1 of 2

Sample Number 2283707-1
Sampled Date Sep 14, 2022
Sample Description Emission from Stationary Source
Location GEG # 5
Date Analysis Commenced Sep 16, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

| | | | | | |
|---------------------|-------------|-------------------|---------|------------------------------------|--------------|
| Ambient Pressure | 759 mmHg | Diameter | 1.20 m | Oxygen | 10.7 % |
| Ambient Temperature | 30.0 °C | Shape | Circle | Carbon Dioxide | 5.9 % |
| Type of Process | Combustion | Stack Temperature | 392 °C | Gas Velocity | 18.0 m/s |
| Type of Fuel | Natural Gas | Moisture | 11.17 % | Flow Rate (Actual O ₂) | 29116 Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 % O ₂ at 10.7 % O ₂ | Guideline (1) | Guideline (2) | Method | Testing Location |
|-----------------------------|---------------------|-------|-----|-----------|---|---------------|---------------|--------|-------------------------|
| Air Testing | | | | | | | | | |
| Total Suspended Particulate | 10:50 AM - 11:38 AM | mg/m3 | - | 0.5 | 1.2 | 0.9 | 24 | 60 | US EPA, Method 5 Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)

Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Thanitak
Thanita Kulsuriwong
Scientist (4)
โทรศัพท์ 323-9447

Approved by

Dej Changchon
Dej Changchon
Senior Manager
โทรศัพท์ 323-9442

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19560-21/ EMAIL

S:\Reports_Air Stack_O2_2GL.rpt (10:57AM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Sample Number 2283707-1

Sampled Date Sep 14, 2022

Sample Description Emission from Stationary Source

Location GEG # 5

Date Analysis Commenced Sep 16, 2022

Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

| Stack Description | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|--------------|
| Ambient Pressure | 759 | mmHg | Diameter | 1.20 | m | Oxygen | 10.7 % |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 5.9 % |
| Type of Process | Combustion | | Stack Temperature | 392 | °C | Gas Velocity | 18.0 m/s |
| Type of Fuel | Natural Gas | | Moisture | 11.17 | % | Flow Rate (Actual O2) | 29116 Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result Emission Rate | Guideline (1) | Guideline (2) | Method | Testing Location |
|-------------------------------|---------------------|------|-----|-----------|----------------------|---------------|---------------|------------|------------------|
| Air Testing | | | | | | | | | |
| Total Suspended Particulate * | 10:50 AM - 11:38 AM | g/s | - | - | 0.007 | 0.18 | - | Calculated | Rayong |

Guideline :

- Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)
- Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Sampled By : Sittichai Kaewkit

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.



TESTING

No.0042

Lot ID: 2283707

Date Received : Sep 14, 2022

Date Reported : Sep 22, 2022

Report Number: 2367444-1

Page 2 of 2



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Lot ID: 2283688

Date Received : Aug 04, 2022

Date Reported : Aug 10, 2022

Report Number :2367390-1

Page 1 of 1

| | |
|--------------------|-----------------------------------|
| Sample Number | 2283688-1 |
| Sample Description | Emission from Stationary Source |
| Location | GEG # 6 (GPS 47P 1438211, 731845) |
| Measurement Date | Aug 03, 2022 |

| Stack Description | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|----------------|--------------|
| Ambient Temperature | 32 | °C | Diameter | 1.20 | m | Oxygen | 9.29 % |
| Ambient Pressure | 755 | mmHg | Shape | Circle | | Carbon dioxide | 6.93 % |
| Type of Process | Combustion | | Stack Temperature | 377 | °C | Gas Velocity | 25.22 m/s |
| Type of Fuel | Natural Gas | | Moisture | 11.05 | % | Flow Rate | 41543 Nm3/hr |

| Run No. | Sampling Time | Oxygen (%) | Carbon Dioxide (%) | Oxides of Nitrogen (ppm) | | Sulfur Dioxide (ppm) | |
|--|---------------------|------------|--------------------|--------------------------|----------------------|--------------------------|----------------------|
| | | | | at Actual O ₂ | at 7% O ₂ | at Actual O ₂ | at 7% O ₂ |
| 1 | 03:30 PM - 03:50 PM | 9.29 | 6.88 | 12.68 | 15.18 | 0.11 | 0.13 |
| 2 | 03:51 PM - 04:11 PM | 9.27 | 6.96 | 18.17 | 21.72 | 0.11 | 0.13 |
| 3 | 04:12 PM - 04:32 PM | 9.30 | 6.95 | 17.05 | 20.43 | 0.10 | 0.12 |
| Average (ppm) | | 9.29 | 6.93 | 15.97 | 19.11 | 0.11 | 0.13 |
| Guideline ^{1/} (ppm) | | | | - | 35 | - | 5 |
| Guideline ^{2/} (ppm) | | | | - | 120 | - | 20 |
| Result (mg/Nm ³) | | | | 30.04 | 35.95 | 0.28 | 0.33 |
| Emission Rate at Actual O ₂ (g/s) | | | | 0.3466 | | 0.0032 | |
| Guideline ^{1/} (g/s) | | | | 0.50 | | 0.10 | |
| Method | | | | US EPA Method 7E | | US EPA Method 6C | |

Sampled By : Anuvat Moungpai

Guideline : ^{1/} Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd.

^{2/}Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Thanitak.

Thanita Kulsurwong
Scientist (4)
ทะเบียนเลขที่ ๖-323-๖-9447

Approved by

D. Chuan.

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ๖-323-๖-9442

Technical Management

Wichan Choonharat

Wichan Choonharat
Manager
ทะเบียนเลขที่ ๖-204-๖-6113

Approved by

Sarayuth Jitranont

Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ ๖-204-๖-4702

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Sample Number 2283708-1

Sampled Date Aug 03, 2022

Sample Description Emission from Stationary Source

Location GEG # 6 (GPS 47P 1438211, 731845)

Date Analysis Commenced Aug 05, 2022

Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

| Stack Description | | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|-------|--------|--|
| Ambient Pressure | 755 | mmHg | Diameter | 1.20 | m | Oxygen | 9.3 | % | |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 6.9 | % | |
| Type of Process | Combustion | | Stack Temperature | 377 | °C | Gas Velocity | 25.2 | m/s | |
| Type of Fuel | Natural Gas | | Moisture | 11.12 | % | Flow Rate (Actual O2) | 41470 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 % O ₂ at 9.3 % O ₂ | Guideline (1) | Guideline (2) | Method | Testing Location |
|-----------------------------|---------------------|-------|-----|-----------|--|---------------|---------------|--------|-------------------------|
| Air Testing | | | | | | | | | |
| Total Suspended Particulate | 03:30 AM - 04:24 PM | mg/m3 | - | 0.5 | 0.8 | 0.7 | 24 | 60 | US EPA, Method 5 Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)

Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.



TESTING
No.0042

Lot ID: 2283708

Date Received : Aug 04, 2022

Date Reported : Oct 11, 2022

Report Number: 2367439-1 Rev. No.1

Page 1 of 2



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location : Glow SPP11_Plant 1

Sample Number 2283708-1

Sampled Date Aug 03, 2022

Sample Description Emission from Stationary Source

Location GEG # 6 (GPS 47P 1438211, 731845)

Date Analysis Commenced Aug 05, 2022

Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

| Stack Description | | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|-------|--------|--|
| Ambient Pressure | 755 | mmHg | Diameter | 1.20 | m | Oxygen | 9.3 | % | |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 6.9 | % | |
| Type of Process | Combustion | | Stack Temperature | 377 | °C | Gas Velocity | 25.2 | m/s | |
| Type of Fuel | Natural Gas | | Moisture | 11.12 | % | Flow Rate (Actual O2) | 41470 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result Emission Rate | Guideline (1) | Guideline (2) | Method | Testing Location |
|-------------------------------|---------------------|------|-----|-----------|----------------------|---------------|---------------|------------|------------------|
| Air Testing | | | | | | | | | |
| Total Suspended Particulate * | 03:30 AM - 04:24 PM | g/s | - | - | 0.008 | 0.18 | - | Calculated | Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Glow SPP 11 Co., Ltd. (Plant1)

Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Note:

This Analysis test report is reissued to supersede report No.2367439-1, Date Reported : Aug 11, 2022 due to revise analytical information.

Sampled By : Warawut Pubpa

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

โทรศัพท์ 3-323-9-9447

Approved by

D. Chamon.

Dej Changchon
Senior Manager

โทรศัพท์ 3-323-9-9442

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TESTING
No.0042

Lot ID: 2283708

Date Received : Aug 04, 2022

Date Reported : Oct 11, 2022

Report Number: 2367439-1 Rev. No.1

Page 2 of 2

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

โทรศัพท์ 3-323-9-9447

Approved by

D. Chamon.

Dej Changchon
Senior Manager

โทรศัพท์ 3-323-9-9442

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ระดับเสียง 24 ชั่วโมง



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphor, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403052-1

Page 1 of 1

| Sample Number | 2286954-5 |
|-------------------|--|
| Parameter | Noise (Leq 24 hrs.) |
| Location | North Fence (GPS 47P 0731791, 1438290) |
| Measurement Date | Aug 06 - Aug 07, 2022 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734221 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|--|-------------|--------------|-------------|
| 09:00 AM - 10:00 AM | 65.5 | 87.5 | 59.4 |
| 10:00 AM - 11:00 AM | 65.7 | 86.4 | 61.2 |
| 11:00 AM - 12:00 PM | 65.9 | 86.6 | 61.2 |
| 12:00 PM - 01:00 PM | 63.5 | 82.7 | 59.1 |
| 01:00 PM - 02:00 PM | 63.7 | 84.9 | 59.7 |
| 02:00 PM - 03:00 PM | 65.0 | 86.5 | 61.2 |
| 03:00 PM - 04:00 PM | 65.0 | 82.8 | 62.7 |
| 04:00 PM - 05:00 PM | 65.3 | 88.0 | 62.1 |
| 05:00 PM - 06:00 PM | 65.2 | 84.0 | 60.1 |
| 06:00 PM - 07:00 PM | 61.6 | 77.9 | 58.1 |
| 07:00 PM - 08:00 PM | 63.6 | 87.0 | 58.8 |
| 08:00 PM - 09:00 PM | 66.2 | 86.4 | 61.1 |
| 09:00 PM - 10:00 PM | 59.9 | 78.3 | 57.7 |
| 10:00 PM - 11:00 PM | 59.6 | 78.6 | 55.8 |
| 11:00 PM - 12:00 AM | 57.9 | 91.0 | 54.0 |
| 12:00 AM - 01:00 AM | 58.2 | 77.3 | 53.1 |
| 01:00 AM - 02:00 AM | 56.9 | 69.0 | 53.1 |
| 02:00 AM - 03:00 AM | 55.1 | 88.5 | 53.0 |
| 03:00 AM - 04:00 AM | 53.6 | 72.4 | 52.4 |
| 04:00 AM - 05:00 AM | 59.2 | 91.8 | 53.2 |
| 05:00 AM - 06:00 AM | 58.9 | 76.4 | 53.0 |
| 06:00 AM - 07:00 AM | 58.8 | 84.3 | 55.0 |
| 07:00 AM - 08:00 AM | 62.2 | 82.9 | 55.2 |
| 08:00 AM - 09:00 AM | 64.2 | 85.6 | 56.4 |
| Leq Average 24 hrs. (dB(A)) | 63.0 | | |
| Lmax (dB(A)) | | 91.8 | |
| L90 (dB(A)) | | | 57.7 |
| Ldn (dB(A)) | 66.0 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard : 1. มาตรการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง 15 (พ.ศ. 2540) (มาตรการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง) 2. มาตรการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียงจากโรงงานอุตสาหกรรม และแหล่งเสียงอื่นที่ไม่ใช่โรงงานอุตสาหกรรม โรงงาน พ.ศ. 2548 | | | |
| Remark : | | | |
| - The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | | |

Technical Management

Thanitak.
Thanita Kulsumwong
Scientist (S)

Approved by

Supot Salameth
Section Head

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RIGHT SOLUTIONS

3 Reports_Air Noise test (1 12PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphor, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403053-1

Page 1 of 1

| Sample Number | 2286954-6 |
|-------------------|---------------------------------------|
| Parameter | Noise (Leq 24 hrs.) |
| Location | East Fence (GPS 47P 0731864, 1438230) |
| Measurement Date | Aug 02 - Aug 03, 2022 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734225 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|--|-------------|--------------|-------------|
| 09:00 AM - 10:00 AM | 66.2 | 77.8 | 65.6 |
| 10:00 AM - 11:00 AM | 67.0 | 83.5 | 65.9 |
| 11:00 AM - 12:00 PM | 64.9 | 76.8 | 64.0 |
| 12:00 PM - 01:00 PM | 69.4 | 77.6 | 69.1 |
| 01:00 PM - 02:00 PM | 64.6 | 83.0 | 63.7 |
| 02:00 PM - 03:00 PM | 63.8 | 74.4 | 62.7 |
| 03:00 PM - 04:00 PM | 62.6 | 76.7 | 61.4 |
| 04:00 PM - 05:00 PM | 63.9 | 77.7 | 62.3 |
| 05:00 PM - 06:00 PM | 63.1 | 76.9 | 61.8 |
| 06:00 PM - 07:00 PM | 62.8 | 74.0 | 62.1 |
| 07:00 PM - 08:00 PM | 63.7 | 77.9 | 62.5 |
| 08:00 PM - 09:00 PM | 64.4 | 78.4 | 63.3 |
| 09:00 PM - 10:00 PM | 65.6 | 70.1 | 64.9 |
| 10:00 PM - 11:00 PM | 64.6 | 69.3 | 64.0 |
| 11:00 PM - 12:00 AM | 61.2 | 76.3 | 60.3 |
| 12:00 AM - 01:00 AM | 57.6 | 84.4 | 54.7 |
| 01:00 AM - 02:00 AM | 55.1 | 71.5 | 54.1 |
| 02:00 AM - 03:00 AM | 55.0 | 67.8 | 54.0 |
| 03:00 AM - 04:00 AM | 54.6 | 63.1 | 53.9 |
| 04:00 AM - 05:00 AM | 55.2 | 64.9 | 54.0 |
| 05:00 AM - 06:00 AM | 56.6 | 79.2 | 54.4 |
| 06:00 AM - 07:00 AM | 58.8 | 89.5 | 55.0 |
| 07:00 AM - 08:00 AM | 61.4 | 78.9 | 56.7 |
| 08:00 AM - 09:00 AM | 62.7 | 74.4 | 61.3 |
| Leq Average 24 hrs. (dB(A)) | 63.5 | | |
| Lmax (dB(A)) | | 89.5 | |
| L90 (dB(A)) | | | 61.8 |
| Ldn (dB(A)) | 66.9 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard : 1. มาตรการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง 15 (พ.ศ. 2540) (มาตรการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง) 2. มาตรการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียงจากโรงงานอุตสาหกรรม และแหล่งเสียงอื่นที่ไม่ใช่โรงงานอุตสาหกรรม โรงงาน พ.ศ. 2548 | | | |
| Remark : | | | |
| - The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | | |

Technical Management

Thanitak.
Thanita Kulsumwong
Scientist (S)

Approved by

Supot Salameth
Section Head

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3 Reports_Air Noise test (1 20PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphor, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403054-1

Page 1 of 1

| Sample Number | 2286954-7 |
|-------------------|---------------------------------------|
| Parameter | Noise (Leq 24 hrs.) |
| Location | East Fence (GPS 47P 0731864, 1438230) |
| Measurement Date | Aug 03 - Aug 04, 2022 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734225 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|--|-------------|--------------|-------------|
| 09:00 AM - 10:00 AM | 63.4 | 75.2 | 62.7 |
| 10:00 AM - 11:00 AM | 63.3 | 74.6 | 62.6 |
| 11:00 AM - 12:00 PM | 66.5 | 76.3 | 65.4 |
| 12:00 PM - 01:00 PM | 66.8 | 76.5 | 66.2 |
| 01:00 PM - 02:00 PM | 67.6 | 75.9 | 66.9 |
| 02:00 PM - 03:00 PM | 66.8 | 75.0 | 66.0 |
| 03:00 PM - 04:00 PM | 67.7 | 74.2 | 67.1 |
| 04:00 PM - 05:00 PM | 66.5 | 79.0 | 65.9 |
| 05:00 PM - 06:00 PM | 62.6 | 76.8 | 60.9 |
| 06:00 PM - 07:00 PM | 65.7 | 75.0 | 65.0 |
| 07:00 PM - 08:00 PM | 64.0 | 77.3 | 62.8 |
| 08:00 PM - 09:00 PM | 65.5 | 72.2 | 64.7 |
| 09:00 PM - 10:00 PM | 64.3 | 70.1 | 63.5 |
| 10:00 PM - 11:00 PM | 63.7 | 69.7 | 63.0 |
| 11:00 PM - 12:00 AM | 59.9 | 76.4 | 58.7 |
| 12:00 AM - 01:00 AM | 55.3 | 67.9 | 54.2 |
| 01:00 AM - 02:00 AM | 55.5 | 65.0 | 54.3 |
| 02:00 AM - 03:00 AM | 55.2 | 65.9 | 54.0 |
| 03:00 AM - 04:00 AM | 55.5 | 70.3 | 54.1 |
| 04:00 AM - 05:00 AM | 55.4 | 67.8 | 54.0 |
| 05:00 AM - 06:00 AM | 56.6 | 72.0 | 54.2 |
| 06:00 AM - 07:00 AM | 57.2 | 84.4 | 54.5 |
| 07:00 AM - 08:00 AM | 61.6 | 75.0 | 57.0 |
| 08:00 AM - 09:00 AM | 62.6 | 74.3 | 61.2 |
| Leq Average 24 hrs. (dB(A)) | 63.8 | | |
| Lmax (dB(A)) | | 84.4 | |
| L90 (dB(A)) | | | 62.6 |
| Ldn (dB(A)) | 66.7 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard : 1. มาตรการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง 15 (พ.ศ. 2540) (มาตรการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง) 2. มาตรการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียงจากโรงงานอุตสาหกรรม และแหล่งเสียงอื่นที่ไม่ใช่โรงงานอุตสาหกรรม โรงงาน พ.ศ. 2548 | | | |
| Remark : | | | |
| - The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | | |

Technical Management

Thanitak.
Thanita Kulsumwong
Scientist (S)

Approved by

Supot Salameth
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS

3 Reports_Air Noise test (1 21PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphor, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403055-1

Page 1 of 1

| Sample Number | 2286954-8 |
|-------------------|---------------------------------------|
| Parameter | Noise (Leq 24 hrs.) |
| Location | East Fence (GPS 47P 0731864, 1438230) |
| Measurement Date | Aug 04 - Aug 05, 2022 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734225 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|--|-------------|--------------|-------------|
| 09:00 AM - 10:00 AM | 63.8 | 74.5 | 62.9 |
| 10:00 AM - 11:00 AM | 67.1 | 80.9 | 66.4 |
| 11:00 AM - 12:00 PM | 69.3 | 76.0 | 68.8 |
| 12:00 PM - 01:00 PM | 68.3 | 71.2 | 67.9 |
| 01:00 PM - 02:00 PM | 66.0 | 73.3 | 65.4 |
| 02:00 PM - 03:00 PM | 64.0 | 68.3 | 63.2 |
| 03:00 PM - 04:00 PM | 62.7 | 77.3 | 61.8 |
| 04:00 PM - 05:00 PM | 59.6 | 73.4 | 57.7 |
| 05:00 PM - 06:00 PM | 62.5 | 73.4 | 61.2 |
| 06:00 PM - 07:00 PM | 62.0 | 70.6 | 61.4 |
| 07:00 PM - 08:00 PM | 63.2 | 77.1 | 61.9 |
| 08:00 PM - 09:00 PM | 63.4 | 81.5 | 62.4 |
| 09:00 PM - 10:00 PM | 63.0 | 73.0 | 62.5 |
| 10:00 PM - 11:00 PM | 62.3 | 69.9 | 61.8 |
| 11:00 PM - 12:00 AM | 58.5 | 75.7 | 57.4 |
| 12:00 AM - 01:00 AM | 55.1 | 67.5 | 53.9 |
| 01:00 AM - 02:00 AM | 55.0 | 65.1 | 53.9 |
| 02:00 AM - 03:00 AM | 54.7 | 67.8 | 53.7 |
| 03:00 AM - 04:00 AM | 54.4 | 69.8 | 53.5 |
| 04:00 AM - 05:00 AM | 55.5 | 70.8 | 54.1 |
| 05:00 AM - 06:00 AM | 56.8 | 78.4 | 54.4 |
| 06:00 AM - 07:00 AM | 56.8 | 73.7 | 54.4 |
| 07:00 AM - 08:00 AM | 60.6 | 76.4 | 56.3 |
| 08:00 AM - 09:00 AM | 63.7 | 73.5 | 61.0 |
| Leq Average 24 hrs. (dB(A)) | 63.2 | | |
| Lmax (dB(A)) | | 81.5 | |
| L90 (dB(A)) | | | 61.2 |
| Ldn (dB(A)) | 65.9 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard : 1. มาตรการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง 15 (พ.ศ. 2540) (มาตรการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง) 2. มาตรการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียงจากโรงงานอุตสาหกรรม และแหล่งเสียงอื่นที่ไม่ใช่โรงงานอุตสาหกรรม โรงงาน พ.ศ. 2548 | | | |
| Remark : | | | |
| - The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | | |

Technical Management

Thanitak.
Thanita Kulsumwong
Scientist (S)

Approved by

Supot Salameth
Section Head

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Life Sciences

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RIGHT SOLUTIONS

3 Reports_Air Noise test (1 22PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphor, A. Phukdaeng, Rayong Thailand
21140

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403056-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Page 1 of 1

| | |
|-------------------|---------------------------------------|
| Sample Number | 2286954-9 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | East Fence (GPS 47P 0731864, 1438230) |
| Measurement Date | Aug 05 - Aug 06, 2022 |
| Measurement by | Satcha Phetsawang |
| Sound Level meter | Serial No. 734225 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 09:00 AM - 10:00 AM | 58.9 | 75.7 | 55.3 |
| 10:00 AM - 11:00 AM | 61.2 | 78.8 | 56.5 |
| 11:00 AM - 12:00 PM | 62.5 | 77.2 | 61.3 |
| 12:00 PM - 01:00 PM | 63.3 | 72.1 | 62.7 |
| 01:00 PM - 02:00 PM | 62.4 | 77.6 | 61.8 |
| 02:00 PM - 03:00 PM | 61.9 | 76.0 | 61.3 |
| 03:00 PM - 04:00 PM | 65.2 | 91.6 | 63.4 |
| 04:00 PM - 05:00 PM | 62.8 | 79.1 | 61.9 |
| 05:00 PM - 06:00 PM | 62.8 | 75.0 | 61.5 |
| 06:00 PM - 07:00 PM | 61.6 | 73.1 | 60.9 |
| 07:00 PM - 08:00 PM | 62.7 | 78.5 | 61.5 |
| 08:00 PM - 09:00 PM | 62.3 | 87.3 | 61.5 |
| 09:00 PM - 10:00 PM | 60.4 | 70.4 | 59.8 |
| 10:00 PM - 11:00 PM | 56.4 | 68.0 | 54.2 |
| 11:00 PM - 12:00 AM | 55.3 | 71.1 | 54.3 |
| 12:00 AM - 01:00 AM | 56.1 | 69.9 | 54.3 |
| 01:00 AM - 02:00 AM | 54.3 | 62.1 | 53.7 |
| 02:00 AM - 03:00 AM | 54.5 | 63.2 | 53.9 |
| 03:00 AM - 04:00 AM | 54.5 | 75.9 | 53.7 |
| 04:00 AM - 05:00 AM | 55.6 | 71.9 | 54.1 |
| 05:00 AM - 06:00 AM | 57.6 | 74.2 | 54.6 |
| 06:00 AM - 07:00 AM | 56.2 | 73.2 | 54.3 |
| 07:00 AM - 08:00 AM | 60.1 | 76.8 | 56.0 |
| 08:00 AM - 09:00 AM | 63.0 | 77.4 | 62.0 |

Leq Average 24 hrs. (dB(A)) 60.8
Lmax (dB(A)) 91.6
L90 (dB(A)) 56.5
Ldn (dB(A)) 63.9
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard 1. วัตถุประสงค์การรายงานผลของผลการวัดระดับเสียง (ในหน่วย dB(A)) เพื่อการควบคุมการปฏิบัติตามข้อกำหนด
2. วัตถุประสงค์การรายงานผลของผลการวัดระดับเสียง (ในหน่วย dB(A)) เพื่อการควบคุมการปฏิบัติตามข้อกำหนด
โดยกรมฯ น.ร. 2548

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.

Thanita Kulsumwong
Scientist (4)

Approved by

Supt S

Supot Salamteeh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphor, A. Phukdaeng, Rayong Thailand
21140

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403057-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Page 1 of 1

| Sample Number | 2286954-10 | | |
|---------------------|---------------------------------------|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | East Fence (GPS 47P 0731864, 1438230) | | |
| Measurement Date | Aug 06 - Aug 07, 2022 | | |
| Measurement by | Satcha Phetsawang | | |
| Sound Level meter | Serial No. 734225 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 62.8 | 71.9 | 62.1 |
| 10:00 AM - 11:00 AM | 63.2 | 82.5 | 62.4 |
| 11:00 AM - 12:00 PM | 67.2 | 87.5 | 64.0 |
| 12:00 PM - 01:00 PM | 68.8 | 82.0 | 67.3 |
| 01:00 PM - 02:00 PM | 61.8 | 76.7 | 54.7 |
| 02:00 PM - 03:00 PM | 67.0 | 71.6 | 65.5 |
| 03:00 PM - 04:00 PM | 65.3 | 76.0 | 64.6 |
| 04:00 PM - 05:00 PM | 60.1 | 74.5 | 58.0 |
| 05:00 PM - 06:00 PM | 65.8 | 77.4 | 64.6 |
| 06:00 PM - 07:00 PM | 63.5 | 79.7 | 61.0 |
| 07:00 PM - 08:00 PM | 62.4 | 78.8 | 61.1 |
| 08:00 PM - 09:00 PM | 62.5 | 81.5 | 61.2 |
| 09:00 PM - 10:00 PM | 60.8 | 75.4 | 60.0 |
| 10:00 PM - 11:00 PM | 56.6 | 70.1 | 55.4 |
| 11:00 PM - 12:00 AM | 55.3 | 70.3 | 54.3 |
| 12:00 AM - 01:00 AM | 61.2 | 74.6 | 55.2 |
| 01:00 AM - 02:00 AM | 55.7 | 61.2 | 55.0 |
| 02:00 AM - 03:00 AM | 55.3 | 63.5 | 54.7 |
| 03:00 AM - 04:00 AM | 55.2 | 69.6 | 54.4 |
| 04:00 AM - 05:00 AM | 55.9 | 75.0 | 54.6 |
| 05:00 AM - 06:00 AM | 55.7 | 68.2 | 54.6 |
| 06:00 AM - 07:00 AM | 56.0 | 69.0 | 54.7 |
| 07:00 AM - 08:00 AM | 58.0 | 72.3 | 54.9 |
| 08:00 AM - 09:00 AM | 58.8 | 75.6 | 54.9 |

Leq Average 24 hrs. (dB(A)) 62.7
Lmax (dB(A)) 87.5
L90 (dB(A)) 55.4
Ldn (dB(A)) 65.4
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard 1. วัตถุประสงค์การรายงานผลของผลการวัดระดับเสียง (ในหน่วย dB(A)) เพื่อการควบคุมการปฏิบัติตามข้อกำหนด
2. วัตถุประสงค์การรายงานผลของผลการวัดระดับเสียง (ในหน่วย dB(A)) เพื่อการควบคุมการปฏิบัติตามข้อกำหนด
โดยกรมฯ น.ร. 2548

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.

Thanita Kulsumwong
Scientist (4)

Approved by

Supt S

Supot Salamteeh
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphor, A. Phukdaeng, Rayong Thailand
21140

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403058-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Page 1 of 1

| | | | |
|---------------------|--|--------------|-------------|
| Sample Number | 2286954-11 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | South Fence (GPS 47P 0731721, 1438047) | | |
| Measurement Date | Aug 02 - Aug 03, 2022 | | |
| Measurement by | Satcha Phetsawang | | |
| Sound Level meter | Serial No. 734223 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 66.7 | 76.9 | 66.0 |
| 10:00 AM - 11:00 AM | 67.0 | 74.4 | 66.3 |
| 11:00 AM - 12:00 PM | 66.4 | 75.7 | 65.8 |
| 12:00 PM - 01:00 PM | 65.7 | 74.4 | 65.2 |
| 01:00 PM - 02:00 PM | 66.2 | 77.5 | 65.4 |
| 02:00 PM - 03:00 PM | 66.7 | 76.9 | 65.9 |
| 03:00 PM - 04:00 PM | 66.5 | 87.3 | 65.7 |
| 04:00 PM - 05:00 PM | 66.0 | 86.8 | 65.3 |
| 05:00 PM - 06:00 PM | 65.6 | 73.4 | 65.0 |
| 06:00 PM - 07:00 PM | 65.4 | 81.0 | 64.8 |
| 07:00 PM - 08:00 PM | 65.1 | 78.1 | 64.6 |
| 08:00 PM - 09:00 PM | 65.8 | 77.8 | 65.1 |
| 09:00 PM - 10:00 PM | 66.8 | 76.8 | 65.8 |
| 10:00 PM - 11:00 PM | 66.5 | 79.7 | 65.6 |
| 11:00 PM - 12:00 AM | 66.2 | 79.7 | 65.1 |
| 12:00 AM - 01:00 AM | 65.3 | 74.9 | 64.9 |
| 01:00 AM - 02:00 AM | 66.2 | 81.5 | 65.5 |
| 02:00 AM - 03:00 AM | 65.8 | 72.2 | 65.3 |
| 03:00 AM - 04:00 AM | 65.6 | 83.0 | 65.1 |
| 04:00 AM - 05:00 AM | 65.4 | 70.4 | 65.0 |
| 05:00 AM - 06:00 AM | 65.5 | 79.0 | 65.0 |
| 06:00 AM - 07:00 AM | 65.0 | 79.4 | 64.3 |
| 07:00 AM - 08:00 AM | 64.8 | 73.4 | 64.3 |
| 08:00 AM - 09:00 AM | 65.8 | 79.4 | 65.2 |

Leq Average 24 hrs. (dB(A)) 66.0
Lmax (dB(A)) 87.3
L90 (dB(A)) 65.2
Ldn (dB(A)) 72.2
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard 1. วัตถุประสงค์การรายงานผลของผลการวัดระดับเสียง (ในหน่วย dB(A)) เพื่อการควบคุมการปฏิบัติตามข้อกำหนด
2. วัตถุประสงค์การรายงานผลของผลการวัดระดับเสียง (ในหน่วย dB(A)) เพื่อการควบคุมการปฏิบัติตามข้อกำหนด
โดยกรมฯ น.ร. 2548

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.

Thanita Kulsumwong
Scientist (4)

Approved by

Supt S

Supot Salamteeh
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphor, A. Phukdaeng, Rayong Thailand
21140

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403059-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Page 1 of 1

| | | | |
|---------------------|--|--------------|-------------|
| Sample Number | 2286954-12 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | South Fence (GPS 47P 0731721, 1438047) | | |
| Measurement Date | Aug 03 - Aug 04, 2022 | | |
| Measurement by | Satcha Phetsawang | | |
| Sound Level meter | Serial No. 734223 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 65.8 | 74.1 | 65.1 |
| 10:00 AM - 11:00 AM | 65.4 | 71.4 | 64.8 |
| 11:00 AM - 12:00 PM | 66.2 | 75.3 | 65.7 |
| 12:00 PM - 01:00 PM | 65.8 | 88.6 | 64.7 |
| 01:00 PM - 02:00 PM | 65.6 | 82.9 | 64.6 |
| 02:00 PM - 03:00 PM | 66.1 | 87.5 | 64.8 |
| 03:00 PM - 04:00 PM | 66.1 | 76.8 | 65.3 |
| 04:00 PM - 05:00 PM | 65.4 | 76.4 | 64.7 |
| 05:00 PM - 06:00 PM | 65.7 | 80.2 | 64.9 |
| 06:00 PM - 07:00 PM | 67.1 | 78.4 | 66.3 |
| 07:00 PM - 08:00 PM | 66.9 | 73.2 | 66.5 |
| 08:00 PM - 09:00 PM | 67.4 | 85.7 | 66.9 |
| 09:00 PM - 10:00 PM | 67.3 | 75.4 | 66.7 |
| 10:00 PM - 11:00 PM | 67.2 | 75.5 | 66.8 |
| 11:00 PM - 12:00 AM | 65.8 | 75.6 | 65.2 |
| 12:00 AM - 01:00 AM | 64.6 | 68.4 | 64.2 |
| 01:00 AM - 02:00 AM | 65.4 | 81.9 | 64.9 |
| 02:00 AM - 03:00 AM | 64.9 | 74.5 | 64.4 |
| 03:00 AM - 04:00 AM | 65.0 | 76.0 | 64.6 |
| 04:00 AM - 05:00 AM | 65.3 | 85.7 | 64.8 |
| 05:00 AM - 06:00 AM | 65.6 | 87.7 | 65.0 |
| 06:00 AM - 07:00 AM | 65.5 | 80.6 | 64.9 |
| 07:00 AM - 08:00 AM | 65.1 | 74.2 | 64.6 |
| 08:00 AM - 09:00 AM | 66.2 | 76.7 | 65.2 |

Leq Average 24 hrs. (dB(A)) 66.0
Lmax (dB(A)) 88.6
L90 (dB(A)) 64.9
Ldn (dB(A)) 72.0
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard 1. วัตถุประสงค์การรายงานผลของผลการวัดระดับเสียง (ในหน่วย dB(A)) เพื่อการควบคุมการปฏิบัติตามข้อกำหนด
2. วัตถุประสงค์การรายงานผลของผลการวัดระดับเสียง (ในหน่วย dB(A)) เพื่อการควบคุมการปฏิบัติตามข้อกำหนด
โดยกรมฯ น.ร. 2548

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.

Thanita Kulsumwong
Scientist (4)

Approved by

Supt S

Supot Salamteeh
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403060-1

Page 1 of 1

| | | | |
|-----------------------------|---|--------------|-------------|
| Sample Number | 2286954-13 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | South Fence (GPS 47P 0731721, 1438047) | | |
| Measurement Date | Aug 04 - Aug 05, 2022 | | |
| Measurement by | Satcha Phetsawaeng | | |
| Sound Level meter | Serial No. 734223 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 66.0 | 80.1 | 65.0 |
| 10:00 AM - 11:00 AM | 66.0 | 74.5 | 65.3 |
| 11:00 AM - 12:00 PM | 65.8 | 81.5 | 65.2 |
| 12:00 PM - 01:00 PM | 65.5 | 73.6 | 65.0 |
| 01:00 PM - 02:00 PM | 66.0 | 80.3 | 65.1 |
| 02:00 PM - 03:00 PM | 65.4 | 80.3 | 64.7 |
| 03:00 PM - 04:00 PM | 65.4 | 80.5 | 64.6 |
| 04:00 PM - 05:00 PM | 65.0 | 75.1 | 64.2 |
| 05:00 PM - 06:00 PM | 65.2 | 77.3 | 64.6 |
| 06:00 PM - 07:00 PM | 65.6 | 80.0 | 65.0 |
| 07:00 PM - 08:00 PM | 65.2 | 82.5 | 64.7 |
| 08:00 PM - 09:00 PM | 65.7 | 84.0 | 65.0 |
| 09:00 PM - 10:00 PM | 66.1 | 81.0 | 65.4 |
| 10:00 PM - 11:00 PM | 66.1 | 75.8 | 65.5 |
| 11:00 PM - 12:00 AM | 65.8 | 77.5 | 64.9 |
| 12:00 AM - 01:00 AM | 64.2 | 69.7 | 63.8 |
| 01:00 AM - 02:00 AM | 65.0 | 81.6 | 64.4 |
| 02:00 AM - 03:00 AM | 64.7 | 76.0 | 64.2 |
| 03:00 AM - 04:00 AM | 64.8 | 75.4 | 64.3 |
| 04:00 AM - 05:00 AM | 64.6 | 75.3 | 64.1 |
| 05:00 AM - 06:00 AM | 65.0 | 77.0 | 64.2 |
| 06:00 AM - 07:00 AM | 64.9 | 70.5 | 64.3 |
| 07:00 AM - 08:00 AM | 64.8 | 72.0 | 64.1 |
| 08:00 AM - 09:00 AM | 65.2 | 72.7 | 64.5 |
| Leq Average 24 hrs. (dB(A)) | 65.4 | | |
| Lmax (dB(A)) | | 84.0 | |
| L90 (dB(A)) | | | 64.6 |
| Ldn (dB(A)) | 71.5 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method : | ISO1996-1 and 1996-2 | | |
| Standard | 1. ปรากฏการณ์การวัดค่าความดังเสียงด้วยวิธี 15 (พ.ศ. 2540) เพื่อการควบคุมการรบกวนเสียงในท้องถิ่น 2. ปรากฏการณ์การวัดค่าความดังเสียงด้วยวิธี 15 (พ.ศ. 2540) เพื่อการควบคุมการรบกวนเสียงในท้องถิ่น โดย พ.ศ. 2548 | | |
| Remark : | - The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak.
Thanita Kulsumwong
Scientist (4)

Approved by

Supet S.
Supet Salameth
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

19560-21/ENGL

RIGHT SOLUTIONS RIGHT PARTNER

5 Reports_Air Noise rpt (1.25PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403061-1

Page 1 of 1

| | | | |
|-----------------------------|--|--------------|-------------|
| Sample Number | 2286954-14 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | South Fence (GPS 47P 0731721, 1438047) | | |
| Measurement Date | Aug 05 - Aug 06, 2022 | | |
| Measurement by | Satcha Phetsavvaeng | | |
| Sound Level meter | Serial No. 734223 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 65.5 | 83.7 | 64.5 |
| 10:00 AM - 11:00 AM | 65.3 | 81.5 | 64.4 |
| 11:00 AM - 12:00 PM | 65.6 | 78.9 | 64.8 |
| 12:00 PM - 01:00 PM | 65.3 | 72.2 | 64.5 |
| 01:00 PM - 02:00 PM | 65.9 | 76.8 | 65.1 |
| 02:00 PM - 03:00 PM | 66.3 | 81.2 | 65.4 |
| 03:00 PM - 04:00 PM | 64.0 | 86.0 | 65.3 |
| 04:00 PM - 05:00 PM | 65.9 | 74.2 | 65.3 |
| 05:00 PM - 06:00 PM | 65.6 | 81.3 | 64.8 |
| 06:00 PM - 07:00 PM | 66.2 | 75.2 | 65.5 |
| 07:00 PM - 08:00 PM | 65.8 | 77.3 | 65.4 |
| 08:00 PM - 09:00 PM | 66.4 | 76.1 | 65.8 |
| 09:00 PM - 10:00 PM | 66.2 | 81.6 | 65.5 |
| 10:00 PM - 11:00 PM | 66.2 | 81.4 | 65.6 |
| 11:00 PM - 12:00 AM | 66.1 | 78.1 | 65.6 |
| 12:00 AM - 01:00 AM | 65.2 | 76.9 | 64.8 |
| 01:00 AM - 02:00 AM | 65.6 | 79.7 | 64.8 |
| 02:00 AM - 03:00 AM | 65.6 | 78.3 | 64.6 |
| 03:00 AM - 04:00 AM | 65.8 | 73.2 | 64.7 |
| 04:00 AM - 05:00 AM | 65.3 | 76.8 | 64.5 |
| 05:00 AM - 06:00 AM | 65.7 | 79.4 | 64.6 |
| 06:00 AM - 07:00 AM | 65.4 | 86.3 | 64.5 |
| 07:00 AM - 08:00 AM | 65.3 | 74.2 | 64.6 |
| 08:00 AM - 09:00 AM | 65.5 | 84.9 | 64.7 |
| Leq Average 24 hrs. (dB(A)) | 65.8 | | |
| Lmax (dB(A)) | | 86.3 | |
| L90 (dB(A)) | | | 64.8 |
| Ldn (dB(A)) | 72.1 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method : | ISO1996-1 and 1996-2 | | |
| Standard | 1. ปรากฏการณ์การวัดค่าความดังเสียงด้วยวิธี 15 (พ.ศ. 2540) เพื่อการควบคุมการรบกวนเสียงในท้องถิ่น 2. ปรากฏการณ์การวัดค่าความดังเสียงด้วยวิธี 15 (พ.ศ. 2540) เพื่อการควบคุมการรบกวนเสียงในท้องถิ่น โดยกรม พ.ศ. 2548 | | |
| Remark : | - The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak.
Thanita Kulsumwong
Scientist (4)

Approved by

Supet S.
Supet Salameth
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

19560-21/ENGL

RIGHT SOLUTIONS RIGHT PARTNER

5 Reports_Air Noise rpt (1.25PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403062-1

Page 1 of 1

| | | | |
|-----------------------------|---|--------------|-------------|
| Sample Number | 2286954-15 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | South Fence (GPS 47P 0731721, 1438047) | | |
| Measurement Date | Aug 06 - Aug 07, 2022 | | |
| Measurement by | Satcha Phetsawaeng | | |
| Sound Level meter | Serial No. 734223 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 65.6 | 75.0 | 64.8 |
| 10:00 AM - 11:00 AM | 65.6 | 80.0 | 64.9 |
| 11:00 AM - 12:00 PM | 65.7 | 78.3 | 65.0 |
| 12:00 PM - 01:00 PM | 64.3 | 72.1 | 63.9 |
| 01:00 PM - 02:00 PM | 65.9 | 80.0 | 65.1 |
| 02:00 PM - 03:00 PM | 65.7 | 75.7 | 65.0 |
| 03:00 PM - 04:00 PM | 66.0 | 79.1 | 65.0 |
| 04:00 PM - 05:00 PM | 66.2 | 78.1 | 65.4 |
| 05:00 PM - 06:00 PM | 66.9 | 81.3 | 66.1 |
| 06:00 PM - 07:00 PM | 66.8 | 77.0 | 66.0 |
| 07:00 PM - 08:00 PM | 65.8 | 81.6 | 65.2 |
| 08:00 PM - 09:00 PM | 66.0 | 78.2 | 65.4 |
| 09:00 PM - 10:00 PM | 66.4 | 80.5 | 65.5 |
| 10:00 PM - 11:00 PM | 66.5 | 77.2 | 65.7 |
| 11:00 PM - 12:00 AM | 66.6 | 82.5 | 65.8 |
| 12:00 AM - 01:00 AM | 65.4 | 76.3 | 64.9 |
| 01:00 AM - 02:00 AM | 65.8 | 76.7 | 65.1 |
| 02:00 AM - 03:00 AM | 65.7 | 80.5 | 65.0 |
| 03:00 AM - 04:00 AM | 65.4 | 83.2 | 64.8 |
| 04:00 AM - 05:00 AM | 65.2 | 80.2 | 64.7 |
| 05:00 AM - 06:00 AM | 65.1 | 79.0 | 64.5 |
| 06:00 AM - 07:00 AM | 65.1 | 81.5 | 64.4 |
| 07:00 AM - 08:00 AM | 64.3 | 75.2 | 63.9 |
| 08:00 AM - 09:00 AM | 64.8 | 77.2 | 64.1 |
| Leq Average 24 hrs. (dB(A)) | 65.8 | | |
| Lmax (dB(A)) | | 83.2 | |
| L90 (dB(A)) | | | 65.0 |
| Ldn (dB(A)) | 72.1 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method : | ISO1996-1 and 1996-2 | | |
| Standard | 1. ปรากฏการณ์การวัดค่าความดังเสียงด้วยวิธี 15 (พ.ศ. 2540) เพื่อการควบคุมการรบกวนเสียงในท้องถิ่น 2. ปรากฏการณ์การวัดค่าความดังเสียงด้วยวิธี 15 (พ.ศ. 2540) เพื่อการควบคุมการรบกวนเสียงในท้องถิ่น โดย พ.ร.บ. 2548 | | |
| Remark : | - The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak.
Thanita Kulsumwong
Scientist (4)

Approved by

Supet S.
Supet Salameth
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

19560-21/ENGL

RIGHT SOLUTIONS RIGHT PARTNER

5 Reports_Air Noise rpt (1.26PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403063-1

Page 1 of 1

| Sample Number | 2286954-16 | | |
|-----------------------------|---|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | West Fence (GPS 47P 0731650, 1438138) | | |
| Measurement Date | Aug 02 - Aug 03, 2022 | | |
| Measurement by | Satcha Phetsawaeng | | |
| Sound Level meter | Serial No. 1222724 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 63.4 | 82.7 | 60.9 |
| 10:00 AM - 11:00 AM | 63.3 | 81.1 | 61.2 |
| 11:00 AM - 12:00 PM | 65.4 | 86.7 | 61.8 |
| 12:00 PM - 01:00 PM | 63.4 | 84.0 | 60.7 |
| 01:00 PM - 02:00 PM | 64.8 | 86.1 | 61.5 |
| 02:00 PM - 03:00 PM | 63.5 | 87.6 | 61.5 |
| 03:00 PM - 04:00 PM | 63.7 | 80.9 | 61.5 |
| 04:00 PM - 05:00 PM | 64.0 | 83.2 | 62.0 |
| 05:00 PM - 06:00 PM | 64.6 | 86.7 | 62.1 |
| 06:00 PM - 07:00 PM | 64.9 | 89.2 | 62.7 |
| 07:00 PM - 08:00 PM | 65.1 | 90.2 | 62.4 |
| 08:00 PM - 09:00 PM | 65.2 | 88.1 | 62.4 |
| 09:00 PM - 10:00 PM | 64.1 | 83.3 | 61.4 |
| 10:00 PM - 11:00 PM | 63.4 | 90.7 | 61.1 |
| 11:00 PM - 12:00 AM | 61.5 | 76.7 | 60.5 |
| 12:00 AM - 01:00 AM | 62.8 | 85.8 | 61.6 |
| 01:00 AM - 02:00 AM | 64.7 | 85.4 | 62.4 |
| 02:00 AM - 03:00 AM | 64.2 | 83.9 | 62.5 |
| 03:00 AM - 04:00 AM | 63.5 | 80.2 | 62.0 |
| 04:00 AM - 05:00 AM | 64.1 | 82.1 | 62.0 |
| 05:00 AM - 06:00 AM | 63.9 | 94.1 | 61.5 |
| 06:00 AM - 07:00 AM | 64.9 | 85.8 | 61.9 |
| 07:00 AM - 08:00 AM | 66.6 | 87.7 | 62.2 |
| 08:00 AM - 09:00 AM | 64.1 | 84.7 | 61.5 |
| Leq Average 24 hrs. (dB(A)) | 64.2 | | |
| Lmax (dB(A)) | | 94.1 | |
| L90 (dB(A)) | | | 61.6 |
| Ldn (dB(A)) | 70.3 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method : | ISO1996-1 and 1996-2 | | |
| Standard | 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องการควบคุมการรบกวนเสียงในท้องถิ่น 2. ประกาศกระทรวงอุตสาหกรรม เรื่องการควบคุมการรบกวนเสียงในท้องถิ่น พ.ศ. 2548 | | |
| Remark : | - The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak.
Thanita Kulsumwong
Scientist (4)

Approved by

Supet S.
Supet Salameth
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

19560-21/ENGL

RIGHT SOLUTIONS RIGHT PARTNER

5 Reports_Air Noise rpt (1.26PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Sample Number : 2286954-17
Parameter : Noise (Leq 24 hrs.)
Location : West Fence (GPS 47P 0731650, 1438138)
Measurement Date : Aug 03 - Aug 04, 2022
Measurement by : Satcha Phetsawaeng
Sound Level meter : Serial No. 1222724

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 09:00 AM - 10:00 AM | 64.7 | 83.6 | 62.1 |
| 10:00 AM - 11:00 AM | 65.3 | 90.7 | 61.3 |
| 11:00 AM - 12:00 PM | 66.1 | 89.7 | 62.4 |
| 12:00 PM - 01:00 PM | 65.0 | 96.0 | 61.7 |
| 01:00 PM - 02:00 PM | 65.1 | 83.6 | 62.5 |
| 02:00 PM - 03:00 PM | 65.0 | 90.6 | 62.1 |
| 03:00 PM - 04:00 PM | 64.8 | 87.3 | 61.9 |
| 04:00 PM - 05:00 PM | 64.8 | 85.5 | 62.4 |
| 05:00 PM - 06:00 PM | 65.2 | 88.2 | 61.9 |
| 06:00 PM - 07:00 PM | 64.9 | 81.6 | 62.5 |
| 07:00 PM - 08:00 PM | 66.0 | 89.2 | 62.8 |
| 08:00 PM - 09:00 PM | 65.3 | 89.8 | 62.6 |
| 09:00 PM - 10:00 PM | 63.3 | 83.8 | 61.2 |
| 10:00 PM - 11:00 PM | 64.8 | 87.8 | 62.2 |
| 11:00 PM - 12:00 AM | 62.7 | 81.1 | 60.5 |
| 12:00 AM - 01:00 AM | 60.0 | 80.7 | 58.8 |
| 01:00 AM - 02:00 AM | 63.1 | 80.1 | 61.2 |
| 02:00 AM - 03:00 AM | 64.1 | 84.2 | 62.2 |
| 03:00 AM - 04:00 AM | 63.3 | 79.9 | 62.0 |
| 04:00 AM - 05:00 AM | 63.8 | 80.5 | 61.9 |
| 05:00 AM - 06:00 AM | 63.4 | 81.8 | 61.6 |
| 06:00 AM - 07:00 AM | 64.2 | 84.2 | 61.6 |
| 07:00 AM - 08:00 AM | 68.4 | 90.7 | 62.1 |
| 08:00 AM - 09:00 AM | 65.5 | 86.4 | 62.2 |

| | | | |
|-----------------------------|------|------|------|
| Leq Average 24 hrs. (dB(A)) | 64.8 | | |
| Lmax (dB(A)) | | 96.0 | |
| L90 (dB(A)) | | | 62.0 |
| Ldn (dB(A)) | 70.2 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard 1. วิธีการทดสอบการวัดระดับความดังของเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ของกรมควบคุมมลพิษ
2. วิธีการทดสอบการวัดระดับความดังของเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ของกรมควบคุมมลพิษ

Remark :
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management : *Thanitak.*
Thanita Kulsumwong
Scientist (4)
Approved by : *Supot S.*
Supot Salameth
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences : www.alsglobal.com
RIGHT SOLUTIONS : www.alsglobal.com

19560-21/ ENGL S:\Reports_Air Noise rpt (1.30PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Sample Number : 2286954-19
Parameter : Noise (Leq 24 hrs.)
Location : West Fence (GPS 47P 0731650, 1438138)
Measurement Date : Aug 05 - Aug 06, 2022
Measurement by : Satcha Phetsawaeng
Sound Level meter : Serial No. 1222724

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 09:00 AM - 10:00 AM | 65.3 | 93.8 | 61.8 |
| 10:00 AM - 11:00 AM | 65.1 | 85.0 | 61.9 |
| 11:00 AM - 12:00 PM | 65.3 | 84.3 | 61.8 |
| 12:00 PM - 01:00 PM | 62.0 | 89.8 | 59.6 |
| 01:00 PM - 02:00 PM | 63.2 | 79.1 | 60.2 |
| 02:00 PM - 03:00 PM | 63.8 | 87.4 | 61.5 |
| 03:00 PM - 04:00 PM | 64.9 | 80.7 | 61.9 |
| 04:00 PM - 05:00 PM | 65.8 | 91.1 | 62.7 |
| 05:00 PM - 06:00 PM | 64.4 | 83.0 | 62.3 |
| 06:00 PM - 07:00 PM | 63.6 | 88.3 | 61.7 |
| 07:00 PM - 08:00 PM | 64.3 | 81.7 | 62.2 |
| 08:00 PM - 09:00 PM | 65.8 | 92.5 | 62.5 |
| 09:00 PM - 10:00 PM | 63.3 | 78.0 | 62.1 |
| 10:00 PM - 11:00 PM | 63.3 | 83.4 | 61.7 |
| 11:00 PM - 12:00 AM | 63.3 | 88.6 | 62.0 |
| 12:00 AM - 01:00 AM | 63.5 | 89.9 | 61.0 |
| 01:00 AM - 02:00 AM | 63.7 | 85.8 | 61.3 |
| 02:00 AM - 03:00 AM | 62.5 | 84.7 | 60.4 |
| 03:00 AM - 04:00 AM | 61.9 | 85.0 | 60.4 |
| 04:00 AM - 05:00 AM | 62.2 | 84.3 | 60.1 |
| 05:00 AM - 06:00 AM | 62.8 | 85.5 | 60.5 |
| 06:00 AM - 07:00 AM | 63.4 | 92.0 | 61.3 |
| 07:00 AM - 08:00 AM | 66.0 | 92.9 | 61.1 |
| 08:00 AM - 09:00 AM | 64.1 | 88.9 | 60.7 |

| | | | |
|-----------------------------|------|------|------|
| Leq Average 24 hrs. (dB(A)) | 64.1 | | |
| Lmax (dB(A)) | | 93.8 | |
| L90 (dB(A)) | | | 61.5 |
| Ldn (dB(A)) | 69.7 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard 1. วิธีการทดสอบการวัดระดับความดังของเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ของกรมควบคุมมลพิษ
2. วิธีการทดสอบการวัดระดับความดังของเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ของกรมควบคุมมลพิษ

Remark :
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management : *Thanitak.*
Thanita Kulsumwong
Scientist (4)
Approved by : *Supot S.*
Supot Salameth
Section Head

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Life Sciences : www.alsglobal.com
RIGHT SOLUTIONS : www.alsglobal.com

19560-21/ ENGL S:\Reports_Air Noise rpt (1.30PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Sample Number : 2286954-18
Parameter : Noise (Leq 24 hrs.)
Location : West Fence (GPS 47P 0731650, 1438138)
Measurement Date : Aug 04 - Aug 05, 2022
Measurement by : Satcha Phetsawaeng
Sound Level meter : Serial No. 1222724

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 09:00 AM - 10:00 AM | 64.8 | 83.4 | 61.7 |
| 10:00 AM - 11:00 AM | 64.1 | 79.1 | 61.6 |
| 11:00 AM - 12:00 PM | 64.2 | 88.6 | 61.8 |
| 12:00 PM - 01:00 PM | 63.2 | 83.1 | 61.1 |
| 01:00 PM - 02:00 PM | 64.7 | 86.3 | 61.7 |
| 02:00 PM - 03:00 PM | 61.9 | 82.1 | 61.5 |
| 03:00 PM - 04:00 PM | 63.1 | 79.5 | 61.1 |
| 04:00 PM - 05:00 PM | 63.9 | 81.7 | 61.4 |
| 05:00 PM - 06:00 PM | 64.6 | 81.8 | 61.6 |
| 06:00 PM - 07:00 PM | 64.9 | 87.0 | 61.9 |
| 07:00 PM - 08:00 PM | 65.4 | 84.8 | 61.3 |
| 08:00 PM - 09:00 PM | 65.6 | 87.0 | 61.6 |
| 09:00 PM - 10:00 PM | 63.4 | 88.2 | 60.7 |
| 10:00 PM - 11:00 PM | 61.9 | 76.3 | 60.7 |
| 11:00 PM - 12:00 AM | 63.1 | 78.7 | 62.1 |
| 12:00 AM - 01:00 AM | 62.5 | 79.2 | 61.6 |
| 01:00 AM - 02:00 AM | 64.7 | 88.1 | 61.7 |
| 02:00 AM - 03:00 AM | 63.3 | 84.1 | 61.5 |
| 03:00 AM - 04:00 AM | 62.6 | 77.9 | 61.3 |
| 04:00 AM - 05:00 AM | 63.4 | 80.4 | 61.4 |
| 05:00 AM - 06:00 AM | 64.2 | 94.0 | 61.2 |
| 06:00 AM - 07:00 AM | 63.8 | 87.5 | 61.4 |
| 07:00 AM - 08:00 AM | 67.0 | 86.1 | 62.2 |
| 08:00 AM - 09:00 AM | 64.4 | 86.9 | 61.1 |

| | | | |
|-----------------------------|------|------|------|
| Leq Average 24 hrs. (dB(A)) | 64.2 | | |
| Lmax (dB(A)) | | 94.0 | |
| L90 (dB(A)) | | | 61.5 |
| Ldn (dB(A)) | 70.0 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard 1. วิธีการทดสอบการวัดระดับความดังของเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ของกรมควบคุมมลพิษ
2. วิธีการทดสอบการวัดระดับความดังของเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ของกรมควบคุมมลพิษ

Remark :
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management : *Thanitak.*
Thanita Kulsumwong
Scientist (4)
Approved by : *Supot S.*
Supot Salameth
Section Head

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Life Sciences : www.alsglobal.com
RIGHT SOLUTIONS : www.alsglobal.com

19560-21/ ENGL S:\Reports_Air Noise rpt (1.30PM)



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Sample Number : 2286954-20
Parameter : Noise (Leq 24 hrs.)
Location : West Fence (GPS 47P 0731650, 1438138)
Measurement Date : Aug 06 - Aug 07, 2022
Measurement by : Satcha Phetsawaeng
Sound Level meter : Serial No. 1222724

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 09:00 AM - 10:00 AM | 62.6 | 84.1 | 59.8 |
| 10:00 AM - 11:00 AM | 63.6 | 87.3 | 60.3 |
| 11:00 AM - 12:00 PM | 63.6 | 84.2 | 60.1 |
| 12:00 PM - 01:00 PM | 61.7 | 83.1 | 59.1 |
| 01:00 PM - 02:00 PM | 64.0 | 78.4 | 61.1 |
| 02:00 PM - 03:00 PM | 65.0 | 83.3 | 61.6 |
| 03:00 PM - 04:00 PM | 64.0 | 79.9 | 61.6 |
| 04:00 PM - 05:00 PM | 64.8 | 78.9 | 62.3 |
| 05:00 PM - 06:00 PM | 64.1 | 81.2 | 62.2 |
| 06:00 PM - 07:00 PM | 64.6 | 92.5 | 62.4 |
| 07:00 PM - 08:00 PM | 65.3 | 83.7 | 62.5 |
| 08:00 PM - 09:00 PM | 65.8 | 91.3 | 62.3 |
| 09:00 PM - 10:00 PM | 63.2 | 80.7 | 61.9 |
| 10:00 PM - 11:00 PM | 63.1 | 80.4 | 61.6 |
| 11:00 PM - 12:00 AM | 63.3 | 85.5 | 61.7 |
| 12:00 AM - 01:00 AM | 62.1 | 77.4 | 60.9 |
| 01:00 AM - 02:00 AM | 62.8 | 84.6 | 61.0 |
| 02:00 AM - 03:00 AM | 63.0 | 84.4 | 61.3 |
| 03:00 AM - 04:00 AM | 62.7 | 87.4 | 61.1 |
| 04:00 AM - 05:00 AM | 62.6 | 84.4 | 61.1 |
| 05:00 AM - 06:00 AM | 62.1 | 74.5 | 61.0 |
| 06:00 AM - 07:00 AM | 63.9 | 85.9 | 61.3 |
| 07:00 AM - 08:00 AM | 65.6 | 87.3 | 61.1 |
| 08:00 AM - 09:00 AM | 61.8 | 77.0 | 60.3 |

| | | | |
|-----------------------------|------|------|------|
| Leq Average 24 hrs. (dB(A)) | 63.7 | | |
| Lmax (dB(A)) | | 92.5 | |
| L90 (dB(A)) | | | 61.1 |
| Ldn (dB(A)) | 69.5 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard 1. วิธีการทดสอบการวัดระดับความดังของเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ของกรมควบคุมมลพิษ
2. วิธีการทดสอบการวัดระดับความดังของเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ของกรมควบคุมมลพิษ

Remark :
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management : *Thanitak.*
Thanita Kulsumwong
Scientist (4)
Approved by : *Supot S.*
Supot Salameth
Section Head

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Life Sciences : www.alsglobal.com
RIGHT SOLUTIONS : www.alsglobal.com

19560-21/ ENGL S:\Reports_Air Noise rpt (1.30PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403068-1

Page 1 of 1

| Sample Number | 2286954-21 |
|-------------------|---|
| Parameter | Noise (Leq 24 hrs.) |
| Location | Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325) |
| Measurement Date | Aug 02 - Aug 03, 2022 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 1173609 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|-------------|--------------|-------------|
| 02:00 PM - 03:00 PM | 58.8 | 89.3 | 47.3 |
| 03:00 PM - 04:00 PM | 54.2 | 82.8 | 46.1 |
| 04:00 PM - 05:00 PM | 56.3 | 82.6 | 46.5 |
| 05:00 PM - 06:00 PM | 60.3 | 89.9 | 48.7 |
| 06:00 PM - 07:00 PM | 58.5 | 83.4 | 49.7 |
| 07:00 PM - 08:00 PM | 59.1 | 83.3 | 48.6 |
| 08:00 PM - 09:00 PM | 59.0 | 86.8 | 48.6 |
| 09:00 PM - 10:00 PM | 59.1 | 79.6 | 51.1 |
| 10:00 PM - 11:00 PM | 50.2 | 75.0 | 47.3 |
| 11:00 PM - 12:00 AM | 51.1 | 77.3 | 48.1 |
| 12:00 AM - 01:00 AM | 52.4 | 82.6 | 50.6 |
| 01:00 AM - 02:00 AM | 57.5 | 81.3 | 55.4 |
| 02:00 AM - 03:00 AM | 59.5 | 71.9 | 58.5 |
| 03:00 AM - 04:00 AM | 63.1 | 67.1 | 62.5 |
| 04:00 AM - 05:00 AM | 61.8 | 80.4 | 45.7 |
| 05:00 AM - 06:00 AM | 53.5 | 78.7 | 46.3 |
| 06:00 AM - 07:00 AM | 57.1 | 83.3 | 48.0 |
| 07:00 AM - 08:00 AM | 61.0 | 97.7 | 49.4 |
| 08:00 AM - 09:00 AM | 62.4 | 90.8 | 49.4 |
| 09:00 AM - 10:00 AM | 55.1 | 78.1 | 47.1 |
| 10:00 AM - 11:00 AM | 55.9 | 81.5 | 48.1 |
| 11:00 AM - 12:00 PM | 54.3 | 80.5 | 46.3 |
| 12:00 PM - 01:00 PM | 55.2 | 82.1 | 46.7 |
| 01:00 PM - 02:00 PM | 56.7 | 83.9 | 46.3 |
| Leq Average 24 hrs. (dB(A)) | 58.0 | | |
| Lmax (dB(A)) | | 97.7 | |
| L90 (dB(A)) | | | 48.1 |
| Ldn (dB(A)) | 63.9 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard 1. วิธีการวัดและรายงานค่าระดับเสียงต่อเนื่อง 15 (น.พ. 2540) (รายงานผลการตรวจวัดระดับเสียงต่อวัน)
2. วิธีการตรวจวัดสภาพการณ์เสียงและการรายงานผลการตรวจวัดระดับเสียงต่อวัน (รายงานผลการตรวจวัดระดับเสียงต่อวัน)
รายงาน น.พ. 2548

Remark :
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.

Approved by

Supat Salameth

Scientist (4)

Section Head

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RIGHT SOLUTIONS

3 Vibration, Air Noise test (1.35PM)

15560-21/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403070-1

Page 1 of 1

| Sample Number | 2286954-23 |
|-------------------|---|
| Parameter | Noise (Leq 24 hrs.) |
| Location | Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325) |
| Measurement Date | Aug 04 - Aug 05, 2022 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 1173609 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|-------------|--------------|-------------|
| 02:00 PM - 03:00 PM | 51.8 | 76.9 | 43.5 |
| 03:00 PM - 04:00 PM | 55.2 | 79.5 | 44.8 |
| 04:00 PM - 05:00 PM | 53.7 | 76.8 | 45.4 |
| 05:00 PM - 06:00 PM | 59.2 | 82.3 | 46.7 |
| 06:00 PM - 07:00 PM | 59.1 | 81.1 | 47.0 |
| 07:00 PM - 08:00 PM | 59.2 | 84.1 | 47.5 |
| 08:00 PM - 09:00 PM | 61.9 | 89.4 | 46.9 |
| 09:00 PM - 10:00 PM | 53.3 | 77.9 | 55.4 |
| 10:00 PM - 11:00 PM | 50.6 | 77.5 | 45.8 |
| 11:00 PM - 12:00 AM | 49.6 | 73.5 | 45.9 |
| 12:00 AM - 01:00 AM | 56.6 | 86.0 | 44.0 |
| 01:00 AM - 02:00 AM | 46.3 | 65.3 | 44.2 |
| 02:00 AM - 03:00 AM | 45.7 | 66.9 | 43.7 |
| 03:00 AM - 04:00 AM | 53.4 | 80.9 | 44.0 |
| 04:00 AM - 05:00 AM | 50.5 | 75.7 | 46.0 |
| 05:00 AM - 06:00 AM | 53.6 | 77.7 | 45.4 |
| 06:00 AM - 07:00 AM | 57.2 | 80.7 | 47.2 |
| 07:00 AM - 08:00 AM | 57.8 | 81.1 | 47.9 |
| 08:00 AM - 09:00 AM | 61.5 | 90.6 | 47.2 |
| 09:00 AM - 10:00 AM | 56.8 | 82.8 | 47.1 |
| 10:00 AM - 11:00 AM | 57.1 | 82.4 | 46.1 |
| 11:00 AM - 12:00 PM | 54.9 | 78.1 | 45.5 |
| 12:00 PM - 01:00 PM | 53.6 | 79.4 | 44.1 |
| 01:00 PM - 02:00 PM | 53.8 | 77.9 | 44.6 |
| Leq Average 24 hrs. (dB(A)) | 56.4 | | |
| Lmax (dB(A)) | | 90.6 | |
| L90 (dB(A)) | | | 45.5 |
| Ldn (dB(A)) | 60.5 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard 1. วิธีการวัดและรายงานค่าระดับเสียงต่อเนื่อง 15 (น.พ. 2540) (รายงานผลการตรวจวัดระดับเสียงต่อวัน)
2. วิธีการตรวจวัดสภาพการณ์เสียงและการรายงานผลการตรวจวัดระดับเสียงต่อวัน (รายงานผลการตรวจวัดระดับเสียงต่อวัน)
รายงาน น.พ. 2548

Remark :
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.

Approved by

Supat Salameth

Scientist (4)

Section Head

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RIGHT SOLUTIONS

3 Vibration, Air Noise test (1.35PM)

15560-21/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403069-1

Page 1 of 1

| Sample Number | 2286954-22 |
|-------------------|---|
| Parameter | Noise (Leq 24 hrs.) |
| Location | Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325) |
| Measurement Date | Aug 03 - Aug 04, 2022 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 1173609 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|-------------|--------------|-------------|
| 02:00 PM - 03:00 PM | 56.1 | 80.4 | 46.1 |
| 03:00 PM - 04:00 PM | 58.3 | 90.6 | 47.7 |
| 04:00 PM - 05:00 PM | 57.5 | 81.7 | 47.4 |
| 05:00 PM - 06:00 PM | 60.1 | 84.0 | 49.0 |
| 06:00 PM - 07:00 PM | 61.8 | 80.1 | 50.0 |
| 07:00 PM - 08:00 PM | 61.6 | 87.9 | 54.0 |
| 08:00 PM - 09:00 PM | 62.0 | 91.3 | 56.3 |
| 09:00 PM - 10:00 PM | 55.5 | 76.1 | 51.2 |
| 10:00 PM - 11:00 PM | 56.4 | 73.9 | 54.7 |
| 11:00 PM - 12:00 AM | 52.7 | 84.0 | 47.4 |
| 12:00 AM - 01:00 AM | 49.0 | 72.6 | 46.2 |
| 01:00 AM - 02:00 AM | 46.8 | 70.7 | 45.1 |
| 02:00 AM - 03:00 AM | 46.9 | 68.7 | 45.4 |
| 03:00 AM - 04:00 AM | 46.2 | 65.7 | 45.4 |
| 04:00 AM - 05:00 AM | 60.2 | 85.1 | 45.4 |
| 05:00 AM - 06:00 AM | 54.6 | 84.5 | 46.7 |
| 06:00 AM - 07:00 AM | 57.3 | 83.3 | 48.4 |
| 07:00 AM - 08:00 AM | 60.8 | 82.2 | 48.9 |
| 08:00 AM - 09:00 AM | 61.4 | 85.3 | 49.4 |
| 09:00 AM - 10:00 AM | 55.9 | 79.0 | 45.8 |
| 10:00 AM - 11:00 AM | 54.9 | 76.4 | 45.0 |
| 11:00 AM - 12:00 PM | 54.7 | 74.9 | 44.2 |
| 12:00 PM - 01:00 PM | 55.2 | 79.9 | 43.9 |
| 01:00 PM - 02:00 PM | 52.0 | 76.2 | 43.8 |
| Leq Average 24 hrs. (dB(A)) | 57.8 | | |
| Lmax (dB(A)) | | 91.3 | |
| L90 (dB(A)) | | | 46.7 |
| Ldn (dB(A)) | 62.1 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard 1. วิธีการวัดและรายงานค่าระดับเสียงต่อเนื่อง 15 (น.พ. 2540) (รายงานผลการตรวจวัดระดับเสียงต่อวัน)
2. วิธีการตรวจวัดสภาพการณ์เสียงและการรายงานผลการตรวจวัดระดับเสียงต่อวัน (รายงานผลการตรวจวัดระดับเสียงต่อวัน)
รายงาน น.พ. 2548

Remark :
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.

Approved by

Supat Salameth

Scientist (4)

Section Head

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RIGHT SOLUTIONS

3 Vibration, Air Noise test (1.35PM)

15560-21/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403071-1

Page 1 of 1

| Sample Number | 2286954-24 |
|-------------------|---|
| Parameter | Noise (Leq 24 hrs.) |
| Location | Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325) |
| Measurement Date | Aug 05 - Aug 06, 2022 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 1173609 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|-------------|--------------|-------------|
| 02:00 PM - 03:00 PM | 51.5 | 75.3 | 44.3 |
| 03:00 PM - 04:00 PM | 59.9 | 87.1 | 51.6 |
| 04:00 PM - 05:00 PM | 56.8 | 79.8 | 45.0 |
| 05:00 PM - 06:00 PM | 64.1 | 91.1 | 49.8 |
| 06:00 PM - 07:00 PM | 59.2 | 82.5 | 47.4 |
| 07:00 PM - 08:00 PM | 60.9 | 91.5 | 46.9 |
| 08:00 PM - 09:00 PM | 59.7 | 86.0 | 45.6 |
| 09:00 PM - 10:00 PM | 56.0 | 79.7 | 45.1 |
| 10:00 PM - 11:00 PM | 49.9 | 72.9 | 44.2 |
| 11:00 PM - 12:00 AM | 50.0 | 73.1 | 43.2 |
| 12:00 AM - 01:00 AM | 47.0 | 76.2 | 43.0 |
| 01:00 AM - 02:00 AM | 47.9 | 74.0 | 43.7 |
| 02:00 AM - 03:00 AM | 48.1 | 77.1 | 43.6 |
| 03:00 AM - 04:00 AM | 44.6 | 65.1 | 43.7 |
| 04:00 AM - 05:00 AM | 48.1 | 76.1 | 43.4 |
| 05:00 AM - 06:00 AM | 60.3 | 90.4 | 44.2 |
| 06:00 AM - 07:00 AM | 56.6 | 83.0 | 44.6 |
| 07:00 AM - 08:00 AM | 57.7 | 79.1 | 46.1 |
| 08:00 AM - 09:00 AM | 56.6 | 79.3 | 46.6 |
| 09:00 AM - 10:00 AM | 57.2 | 84.5 | 45.3 |
| 10:00 AM - 11:00 AM | 57.9 | 85.4 | 48.9 |
| 11:00 AM - 12:00 PM | 60.8 | 91.9 | 49.5 |
| 12:00 PM - 01:00 PM | 51.5 | 74.3 | 43.0 |
| 01:00 PM - 02:00 PM | 52.5 | 75.5 | 42.9 |
| Leq Average 24 hrs. (dB(A)) | 57.4 | | |
| Lmax (dB(A)) | | 91.5 | |
| L90 (dB(A)) | | | 44.6 |
| Ldn (dB(A)) | 61.2 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard 1. วิธีการวัดและรายงานค่าระดับเสียงต่อเนื่อง 15 (น.พ. 2540) (รายงานผลการตรวจวัดระดับเสียงต่อวัน)
2. วิธีการตรวจวัดสภาพการณ์เสียงและการรายงานผลการตรวจวัดระดับเสียงต่อวัน (รายงานผลการตรวจวัดระดับเสียงต่อวัน)
รายงาน น.พ. 2548

Remark :
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.

Approved by

Supat Salameth

Scientist (4)

Section Head

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RIGHT SOLUTIONS

3 Vibration, Air Noise test (1.35PM)

15560-21/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403072-1

Page 1 of 1

Sample Number : 2286954-25
Parameter : Noise (Leq 24 hrs.)
Location : Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325)
Measurement Date : Aug 06 - Aug 07, 2022
Measurement by : Satcha Phetsaweng
Sound Level meter : Serial No. 1173609

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 02:00 PM - 03:00 PM | 54.5 | 80.1 | 43.0 |
| 03:00 PM - 04:00 PM | 55.9 | 78.3 | 44.1 |
| 04:00 PM - 05:00 PM | 57.3 | 83.0 | 46.5 |
| 05:00 PM - 06:00 PM | 59.0 | 82.4 | 47.4 |
| 06:00 PM - 07:00 PM | 57.8 | 81.3 | 51.5 |
| 07:00 PM - 08:00 PM | 57.5 | 83.7 | 46.5 |
| 08:00 PM - 09:00 PM | 59.8 | 85.5 | 47.3 |
| 09:00 PM - 10:00 PM | 54.6 | 84.5 | 44.6 |
| 10:00 PM - 11:00 PM | 47.5 | 79.9 | 43.1 |
| 11:00 PM - 12:00 AM | 50.1 | 83.3 | 42.4 |
| 12:00 AM - 01:00 AM | 51.9 | 84.2 | 41.5 |
| 01:00 AM - 02:00 AM | 51.4 | 87.5 | 41.5 |
| 02:00 AM - 03:00 AM | 56.7 | 88.0 | 40.8 |
| 03:00 AM - 04:00 AM | 48.7 | 81.1 | 40.0 |
| 04:00 AM - 05:00 AM | 49.6 | 78.0 | 40.6 |
| 05:00 AM - 06:00 AM | 57.7 | 81.5 | 42.0 |
| 06:00 AM - 07:00 AM | 55.4 | 78.1 | 43.5 |
| 07:00 AM - 08:00 AM | 56.0 | 77.9 | 44.3 |
| 08:00 AM - 09:00 AM | 58.3 | 77.7 | 50.3 |
| 09:00 AM - 10:00 AM | 57.2 | 81.6 | 45.6 |
| 10:00 AM - 11:00 AM | 58.9 | 84.3 | 46.7 |
| 11:00 AM - 12:00 PM | 57.4 | 79.7 | 46.9 |
| 12:00 PM - 01:00 PM | 57.5 | 80.9 | 48.1 |
| 01:00 PM - 02:00 PM | 52.5 | 71.4 | 46.0 |

Leq Average 24 hrs. (dB(A)) : 56.2
Lmax (dB(A)) : 88.0
L90 (dB(A)) : 44.3
Ldn (dB(A)) : 60.7
Standard (dB(A)) : 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ข้อมูลผลการตรวจวัดค่าความเข้มของเสียงดัง (น.พ. 2540) ที่สถานที่ทดสอบเสียงดัง
2. ข้อมูลการตรวจวัดค่าความเข้มของเสียงดัง (น.พ. 2540) ที่สถานที่ทดสอบเสียงดัง และระดับเสียงดังจากกิจกรรมปกติของพื้นที่
โดยรอบ น.พ. 2548

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.

Thanita Kulsumwong
Scientist (4)

Approved by

Supt S

Supt Salameh
Section Head

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

3 Reports_Air Noise rpt (1.35PM)

19560-21/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403073-1

Page 1 of 1

Sample Number : 2286954-26
Parameter : Noise (Leq 24 hrs.)
Location : Moo 3 Mabyangporm (N2) (GPS 47P 0732339, 1437041)
Measurement Date : Aug 02 - Aug 03, 2022
Measurement by : Satcha Phetsaweng
Sound Level meter : Serial No. 1073608

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 02:00 PM - 03:00 PM | 50.1 | 77.2 | 41.8 |
| 03:00 PM - 04:00 PM | 50.8 | 72.6 | 43.3 |
| 04:00 PM - 05:00 PM | 55.2 | 80.7 | 44.7 |
| 05:00 PM - 06:00 PM | 53.3 | 71.8 | 47.2 |
| 06:00 PM - 07:00 PM | 52.2 | 71.9 | 47.1 |
| 07:00 PM - 08:00 PM | 54.6 | 76.9 | 49.9 |
| 08:00 PM - 09:00 PM | 56.2 | 88.6 | 50.3 |
| 09:00 PM - 10:00 PM | 60.5 | 77.1 | 52.0 |
| 10:00 PM - 11:00 PM | 51.3 | 75.3 | 47.1 |
| 11:00 PM - 12:00 AM | 50.8 | 71.4 | 45.9 |
| 12:00 AM - 01:00 AM | 49.4 | 67.7 | 44.4 |
| 01:00 AM - 02:00 AM | 48.2 | 71.4 | 43.3 |
| 02:00 AM - 03:00 AM | 45.2 | 62.7 | 42.1 |
| 03:00 AM - 04:00 AM | 44.6 | 71.9 | 40.6 |
| 04:00 AM - 05:00 AM | 45.8 | 65.3 | 39.8 |
| 05:00 AM - 06:00 AM | 51.8 | 73.8 | 43.6 |
| 06:00 AM - 07:00 AM | 56.6 | 83.5 | 49.0 |
| 07:00 AM - 08:00 AM | 56.3 | 81.3 | 50.3 |
| 08:00 AM - 09:00 AM | 54.3 | 75.8 | 47.8 |
| 09:00 AM - 10:00 AM | 55.7 | 82.7 | 44.3 |
| 10:00 AM - 11:00 AM | 54.2 | 83.4 | 42.2 |
| 11:00 AM - 12:00 PM | 49.0 | 78.7 | 40.9 |
| 12:00 PM - 01:00 PM | 48.6 | 75.9 | 42.1 |
| 01:00 PM - 02:00 PM | 49.0 | 69.4 | 44.0 |

Leq Average 24 hrs. (dB(A)) : 53.6
Lmax (dB(A)) : 88.6
L90 (dB(A)) : 44.3
Ldn (dB(A)) : 58.1
Standard (dB(A)) : 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ข้อมูลผลการตรวจวัดค่าความเข้มของเสียงดัง (น.พ. 2540) ที่สถานที่ทดสอบเสียงดัง
2. ข้อมูลการตรวจวัดค่าความเข้มของเสียงดัง (น.พ. 2540) ที่สถานที่ทดสอบเสียงดัง และระดับเสียงดังจากกิจกรรมปกติของพื้นที่
โดยรอบ น.พ. 2548

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.

Thanita Kulsumwong
Scientist (4)

Approved by

Supt S

Supt Salameh
Section Head

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RIGHT SOLUTIONS RIGHT PARTNER

3 Reports_Air Noise rpt (1.35PM)

19560-21/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403074-1

Page 1 of 1

Sample Number : 2286954-27
Parameter : Noise (Leq 24 hrs.)
Location : Moo 3 Mabyangporm (N2) (GPS 47P 0732339, 1437041)
Measurement Date : Aug 03 - Aug 04, 2022
Measurement by : Satcha Phetsaweng
Sound Level meter : Serial No. 1073608

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 02:00 PM - 03:00 PM | 60.4 | 86.6 | 45.2 |
| 03:00 PM - 04:00 PM | 55.6 | 77.0 | 45.7 |
| 04:00 PM - 05:00 PM | 52.6 | 80.4 | 46.4 |
| 05:00 PM - 06:00 PM | 54.3 | 81.8 | 48.2 |
| 06:00 PM - 07:00 PM | 56.3 | 73.3 | 50.1 |
| 07:00 PM - 08:00 PM | 57.3 | 74.6 | 55.3 |
| 08:00 PM - 09:00 PM | 58.3 | 77.4 | 56.5 |
| 09:00 PM - 10:00 PM | 53.4 | 66.2 | 50.9 |
| 10:00 PM - 11:00 PM | 53.8 | 64.2 | 51.7 |
| 11:00 PM - 12:00 AM | 50.4 | 71.0 | 45.4 |
| 12:00 AM - 01:00 AM | 47.8 | 71.3 | 44.1 |
| 01:00 AM - 02:00 AM | 54.9 | 65.0 | 42.1 |
| 02:00 AM - 03:00 AM | 46.5 | 70.6 | 44.0 |
| 03:00 AM - 04:00 AM | 43.8 | 62.2 | 41.2 |
| 04:00 AM - 05:00 AM | 45.8 | 63.4 | 41.3 |
| 05:00 AM - 06:00 AM | 51.7 | 67.5 | 45.5 |
| 06:00 AM - 07:00 AM | 54.3 | 80.0 | 48.9 |
| 07:00 AM - 08:00 AM | 55.6 | 75.3 | 50.0 |
| 08:00 AM - 09:00 AM | 52.9 | 74.6 | 46.3 |
| 09:00 AM - 10:00 AM | 53.7 | 74.7 | 48.0 |
| 10:00 AM - 11:00 AM | 52.7 | 74.8 | 43.0 |
| 11:00 AM - 12:00 PM | 54.0 | 78.3 | 43.7 |
| 12:00 PM - 01:00 PM | 50.5 | 76.7 | 42.4 |
| 01:00 PM - 02:00 PM | 49.5 | 69.3 | 41.9 |

Leq Average 24 hrs. (dB(A)) : 54.1
Lmax (dB(A)) : 86.6
L90 (dB(A)) : 45.5
Ldn (dB(A)) : 57.9
Standard (dB(A)) : 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ข้อมูลผลการตรวจวัดค่าความเข้มของเสียงดัง (น.พ. 2540) ที่สถานที่ทดสอบเสียงดัง
2. ข้อมูลการตรวจวัดค่าความเข้มของเสียงดัง (น.พ. 2540) ที่สถานที่ทดสอบเสียงดัง และระดับเสียงดังจากกิจกรรมปกติของพื้นที่
โดยรอบ น.พ. 2548

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.

Thanita Kulsumwong
Scientist (4)

Approved by

Supt S

Supt Salameh
Section Head

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RIGHT SOLUTIONS RIGHT PARTNER

3 Reports_Air Noise rpt (1.36PM)

19560-21/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403075-1

Page 1 of 1

Sample Number : 2286954-28
Parameter : Noise (Leq 24 hrs.)
Location : Moo 3 Mabyangporm (N2) (GPS 47P 0732339, 1437041)
Measurement Date : Aug 04 - Aug 05, 2022
Measurement by : Satcha Phetsaweng
Sound Level meter : Serial No. 1073608

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 02:00 PM - 03:00 PM | 54.2 | 82.1 | 41.3 |
| 03:00 PM - 04:00 PM | 51.7 | 68.2 | 45.2 |
| 04:00 PM - 05:00 PM | 56.5 | 85.8 | 43.9 |
| 05:00 PM - 06:00 PM | 52.4 | 82.6 | 46.5 |
| 06:00 PM - 07:00 PM | 51.6 | 71.0 | 46.1 |
| 07:00 PM - 08:00 PM | 52.5 | 68.9 | 48.4 |
| 08:00 PM - 09:00 PM | 52.6 | 73.4 | 49.1 |
| 09:00 PM - 10:00 PM | 50.2 | 69.5 | 47.0 |
| 10:00 PM - 11:00 PM | 47.9 | 66.9 | 44.9 |
| 11:00 PM - 12:00 AM | 47.4 | 68.1 | 43.4 |
| 12:00 AM - 01:00 AM | 46.6 | 67.2 | 43.6 |
| 01:00 AM - 02:00 AM | 44.5 | 60.9 | 42.8 |
| 02:00 AM - 03:00 AM | 44.6 | 62.3 | 42.5 |
| 03:00 AM - 04:00 AM | 45.3 | 62.9 | 41.3 |
| 04:00 AM - 05:00 AM | 46.4 | 68.7 | 41.1 |
| 05:00 AM - 06:00 AM | 50.9 | 67.6 | 44.8 |
| 06:00 AM - 07:00 AM | 55.0 | 85.3 | 48.7 |
| 07:00 AM - 08:00 AM | 54.5 | 77.1 | 49.5 |
| 08:00 AM - 09:00 AM | 54.2 | 80.1 | 48.3 |
| 09:00 AM - 10:00 AM | 50.1 | 67.7 | 43.6 |
| 10:00 AM - 11:00 AM | 61.0 | 89.4 | 43.8 |
| 11:00 AM - 12:00 PM | 54.5 | 85.8 | 44.8 |
| 12:00 PM - 01:00 PM | 54.4 | 83.1 | 43.4 |
| 01:00 PM - 02:00 PM | 53.5 | 82.1 | 42.7 |

Leq Average 24 hrs. (dB(A)) : 53.7
Lmax (dB(A)) : 89.4
L90 (dB(A)) : 43.9
Ldn (dB(A)) : 57.1
Standard (dB(A)) : 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ข้อมูลผลการตรวจวัดค่าความเข้มของเสียงดัง (น.พ. 2540) ที่สถานที่ทดสอบเสียงดัง
2. ข้อมูลการตรวจวัดค่าความเข้มของเสียงดัง (น.พ. 2540) ที่สถานที่ทดสอบเสียงดัง และระดับเสียงดังจากกิจกรรมปกติของพื้นที่
โดยรอบ น.พ. 2548

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.

Thanita Kulsumwong
Scientist (4)

Approved by

Supt S

Supt Salameh
Section Head

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3 Reports_Air Noise rpt (1.36PM)

19560-21/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403076-1

Page 1 of 1

| | | | |
|-----------------------------|---|--------------|-------------|
| Sample Number | 2286954-29 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | Moo 3 Mabyangporn (N2) (GPS 47P 0732339, 1437041) | | |
| Measurement Date | Aug 05 - Aug 06, 2022 | | |
| Measurement by | Satcha Phetsavang | | |
| Sound Level meter | Serial No. 1073608 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 02:00 PM - 03:00 PM | 54.3 | 80.3 | 43.5 |
| 03:00 PM - 04:00 PM | 56.1 | 85.3 | 42.1 |
| 04:00 PM - 05:00 PM | 56.0 | 85.8 | 43.5 |
| 05:00 PM - 06:00 PM | 53.7 | 75.3 | 47.2 |
| 06:00 PM - 07:00 PM | 60.2 | 86.3 | 47.4 |
| 07:00 PM - 08:00 PM | 54.8 | 76.8 | 49.7 |
| 08:00 PM - 09:00 PM | 55.0 | 70.9 | 50.6 |
| 09:00 PM - 10:00 PM | 51.3 | 73.7 | 46.4 |
| 10:00 PM - 11:00 PM | 47.8 | 66.0 | 43.9 |
| 11:00 PM - 12:00 AM | 48.4 | 68.5 | 42.8 |
| 12:00 AM - 01:00 AM | 48.4 | 72.5 | 41.6 |
| 01:00 AM - 02:00 AM | 45.5 | 68.1 | 41.1 |
| 02:00 AM - 03:00 AM | 43.1 | 63.7 | 40.6 |
| 03:00 AM - 04:00 AM | 44.1 | 63.7 | 40.9 |
| 04:00 AM - 05:00 AM | 46.9 | 72.2 | 40.1 |
| 05:00 AM - 06:00 AM | 50.1 | 70.2 | 43.2 |
| 06:00 AM - 07:00 AM | 56.3 | 85.1 | 47.5 |
| 07:00 AM - 08:00 AM | 54.4 | 75.7 | 48.2 |
| 08:00 AM - 09:00 AM | 54.7 | 80.6 | 46.4 |
| 09:00 AM - 10:00 AM | 49.9 | 72.7 | 44.0 |
| 10:00 AM - 11:00 AM | 53.9 | 74.3 | 44.8 |
| 11:00 AM - 12:00 PM | 50.3 | 74.9 | 44.0 |
| 12:00 PM - 01:00 PM | 55.1 | 83.1 | 41.8 |
| 01:00 PM - 02:00 PM | 55.8 | 82.5 | 47.3 |
| Leq Average 24 hrs. (dB(A)) | 53.8 | | |
| Lmax (dB(A)) | | 86.3 | |
| L90 (dB(A)) | | | 43.9 |
| Ldn (dB(A)) | 57.5 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method | : ISO1996-1 and 1996-2 | | |
| Standard | : 1. มาตรการควบคุมการสัมผัสเสียงของแหล่งกำเนิด 15 (น.ย. 2540) เพื่อการกำหนดมาตรการควบคุมเสียงในโรงงาน 2. มาตรการควบคุมการสัมผัสเสียงของแหล่งกำเนิด 15 (น.ย. 2540) เพื่อการกำหนดมาตรการควบคุมเสียงในโรงงาน 3. มาตรการควบคุมการสัมผัสเสียงของแหล่งกำเนิด 15 (น.ย. 2540) เพื่อการกำหนดมาตรการควบคุมเสียงในโรงงาน | | |

Remark :
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulnirong
Scientist (4)

Approved by

Suppt S
Supet Salameh
Section Head

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19660-21/ ENGL

S:\Project\As Noise\rf (1.38PM)



Analysis / Test Report

TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402090-1

Page 1 of 3

Sample No. 2286957-1
Parameter Noise (Leq 24 hrs.)
Location North Fence (GPS 47P 0731791, 1438200)
Measurement Date Aug 02 - 03, 2022
Measurement by Satcha Phetsavang
Sound Level Meter 00734221

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการขนถ่าย | ผลต่าง | ค่าปรับแก้ | ปรับค่าเสียงจากแหล่งกำเนิด | เสียงที่ฐานการขนถ่าย | ค่าระดับการขนถ่าย |
|---------------------|---------------------|------------------------|--------|------------|----------------------------|----------------------|-------------------|
| 09:00 AM - 10:00 AM | 63.5 | 65.0 | -1.5 | 7.0 | 56.5 | - | 62.4 -5.9 |
| 10:00 AM - 11:00 AM | 64.9 | 65.0 | -0.1 | 7.0 | 57.9 | - | 62.4 -4.5 |
| 11:00 AM - 12:00 PM | 65.3 | 65.0 | 0.3 | 7.0 | 58.3 | - | 62.4 -4.1 |
| 12:00 PM - 01:00 PM | 63.9 | 65.0 | -1.1 | 7.0 | 56.9 | - | 62.4 -5.5 |
| 01:00 PM - 02:00 PM | 63.7 | 65.0 | -1.3 | 7.0 | 56.7 | - | 62.4 -5.7 |
| 02:00 PM - 03:00 PM | 64.7 | 65.0 | -0.3 | 7.0 | 57.7 | - | 62.4 -4.7 |
| 03:00 PM - 04:00 PM | 64.5 | 65.0 | -0.5 | 7.0 | 57.5 | - | 62.4 -4.9 |
| 04:00 PM - 05:00 PM | 64.8 | 65.0 | -0.2 | 7.0 | 57.8 | - | 62.4 -4.6 |
| 05:00 PM - 06:00 PM | 66.5 | 65.0 | 1.5 | 4.5 | 62.0 | - | 62.4 -0.4 |
| 06:00 PM - 07:00 PM | 63.7 | 65.0 | -1.3 | 7.0 | 56.7 | - | 62.4 -5.7 |
| 07:00 PM - 08:00 PM | 65.6 | 65.0 | 0.6 | 7.0 | 58.6 | - | 62.4 -3.8 |
| 08:00 PM - 09:00 PM | 65.9 | 65.0 | 0.9 | 7.0 | 58.9 | - | 62.4 -3.5 |
| 09:00 PM - 10:00 PM | 62.7 | 65.0 | -2.3 | 7.0 | 55.7 | - | 62.4 -6.7 |
| 10:00 PM - 10:55 PM | 59.8 | 62.7 | -2.9 | 7.0 | - | 55.8 | 59.7 -3.9 |
| 10:55 PM - 11:00 PM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 -1.2 |
| 11:00 PM - 11:15 PM | 60.9 | 62.7 | -1.8 | 7.0 | - | 56.9 | 59.7 -2.8 |
| 11:15 PM - 11:30 PM | 59.0 | 62.7 | -3.7 | 7.0 | - | 55.0 | 59.7 -4.7 |
| 11:30 PM - 11:45 PM | 61.2 | 62.7 | -1.5 | 7.0 | - | 57.2 | 59.7 -2.5 |
| 11:45 PM - 12:00 PM | 57.1 | 62.7 | -5.6 | 7.0 | - | 51.1 | 59.7 -8.6 |
| 12:00 PM - 12:15 PM | 58.4 | 62.7 | -4.3 | 7.0 | - | 54.4 | 59.7 -5.3 |
| 12:15 PM - 12:30 PM | 59.7 | 62.7 | -3.0 | 7.0 | - | 55.7 | 59.7 -4.0 |
| 12:30 PM - 12:45 PM | 57.2 | 62.7 | -5.5 | 7.0 | - | 53.2 | 59.7 -6.5 |
| 12:45 PM - 12:55 PM | 58.9 | 62.7 | -3.8 | 7.0 | - | 55.9 | 59.7 -0.8 |
| 12:55 PM - 01:00 AM | 57.9 | 62.7 | -4.8 | 7.0 | - | 53.9 | 59.7 -5.8 |
| 01:00 AM - 01:15 PM | 55.9 | 62.7 | -6.8 | 7.0 | - | 51.9 | 59.7 -7.8 |
| 01:15 PM - 01:30 PM | 58.1 | 62.7 | -4.6 | 7.0 | - | 54.1 | 59.7 -5.6 |
| 01:30 PM - 01:45 PM | 57.4 | 62.7 | -5.3 | 7.0 | - | 53.4 | 59.7 -6.3 |
| 01:45 PM - 02:00 PM | 58.6 | 62.7 | -4.1 | 7.0 | - | 54.6 | 59.7 -5.1 |
| 02:00 PM - 02:15 PM | 56.5 | 62.7 | -6.2 | 7.0 | - | 52.5 | 59.7 -7.2 |
| 02:15 PM - 02:30 PM | 56.4 | 62.7 | -6.3 | 7.0 | - | 52.4 | 59.7 -7.3 |
| 02:30 PM - 02:45 PM | 55.6 | 62.7 | -7.1 | 7.0 | - | 51.6 | 59.7 -8.1 |
| 02:45 PM - 03:00 PM | 56.4 | 62.7 | -6.3 | 7.0 | - | 52.4 | 59.7 -7.3 |
| 03:00 PM - 03:15 PM | 55.0 | 62.7 | -7.7 | 7.0 | - | 51.0 | 59.7 -8.7 |
| 03:15 PM - 03:30 PM | 53.7 | 62.7 | -9.0 | 7.0 | - | 49.7 | 59.7 -10.0 |
| 03:30 PM - 03:45 PM | 53.9 | 62.7 | -8.8 | 7.0 | - | 49.9 | 59.7 -9.8 |
| 03:45 PM - 04:00 PM | 52.7 | 62.7 | -10.0 | 7.0 | - | 48.7 | 59.7 -11.0 |
| 04:00 PM - 04:15 PM | 51.9 | 62.7 | -10.8 | 7.0 | - | 47.9 | 59.7 -11.8 |
| 04:15 PM - 04:30 PM | 51.3 | 62.7 | -11.4 | 7.0 | - | 47.3 | 59.7 -12.4 |
| 04:30 PM - 04:45 PM | 50.7 | 62.7 | -12.0 | 7.0 | - | 46.7 | 59.7 -13.0 |
| 04:45 PM - 05:00 PM | 50.1 | 62.7 | -12.6 | 7.0 | - | 46.1 | 59.7 -13.6 |
| 05:00 PM - 05:15 PM | 49.5 | 62.7 | -13.2 | 7.0 | - | 45.5 | 59.7 -14.2 |
| 05:15 PM - 05:30 PM | 48.9 | 62.7 | -13.8 | 7.0 | - | 44.9 | 59.7 -14.8 |
| 05:30 PM - 05:45 PM | 48.3 | 62.7 | -14.4 | 7.0 | - | 44.3 | 59.7 -15.4 |
| 05:45 PM - 06:00 PM | 47.7 | 62.7 | -15.0 | 7.0 | - | 43.7 | 59.7 -16.0 |
| 06:00 PM - 06:15 PM | 47.1 | 62.7 | -15.6 | 7.0 | - | 43.1 | 59.7 -16.6 |
| 06:15 PM - 06:30 PM | 46.5 | 62.7 | -16.2 | 7.0 | - | 42.5 | 59.7 -17.2 |
| 06:30 PM - 06:45 PM | 45.9 | 62.7 | -16.8 | 7.0 | - | 41.9 | 59.7 -17.8 |
| 06:45 PM - 07:00 PM | 45.3 | 62.7 | -17.4 | 7.0 | - | 41.3 | 59.7 -18.4 |
| 07:00 PM - 07:15 PM | 44.7 | 62.7 | -18.0 | 7.0 | - | 40.7 | 59.7 -19.0 |
| 07:15 PM - 07:30 PM | 44.1 | 62.7 | -18.6 | 7.0 | - | 40.1 | 59.7 -19.6 |
| 07:30 PM - 07:45 PM | 43.5 | 62.7 | -19.2 | 7.0 | - | 39.5 | 59.7 -20.2 |
| 07:45 PM - 08:00 PM | 42.9 | 62.7 | -19.8 | 7.0 | - | 38.9 | 59.7 -20.8 |
| 08:00 PM - 08:15 PM | 42.3 | 62.7 | -20.4 | 7.0 | - | 38.3 | 59.7 -21.4 |
| 08:15 PM - 08:30 PM | 41.7 | 62.7 | -21.0 | 7.0 | - | 37.7 | 59.7 -22.0 |
| 08:30 PM - 08:45 PM | 41.1 | 62.7 | -21.6 | 7.0 | - | 37.1 | 59.7 -22.6 |
| 08:45 PM - 09:00 PM | 40.5 | 62.7 | -22.2 | 7.0 | - | 36.5 | 59.7 -23.2 |
| 09:00 PM - 09:15 PM | 39.9 | 62.7 | -22.8 | 7.0 | - | 35.9 | 59.7 -23.8 |
| 09:15 PM - 09:30 PM | 39.3 | 62.7 | -23.4 | 7.0 | - | 35.3 | 59.7 -24.4 |
| 09:30 PM - 09:45 PM | 38.7 | 62.7 | -24.0 | 7.0 | - | 34.7 | 59.7 -25.0 |
| 09:45 PM - 10:00 PM | 38.1 | 62.7 | -24.6 | 7.0 | - | 34.1 | 59.7 -25.6 |
| 10:00 PM - 10:15 PM | 37.5 | 62.7 | -25.2 | 7.0 | - | 33.5 | 59.7 -26.2 |
| 10:15 PM - 10:30 PM | 36.9 | 62.7 | -25.8 | 7.0 | - | 32.9 | 59.7 -26.8 |
| 10:30 PM - 10:45 PM | 36.3 | 62.7 | -26.4 | 7.0 | - | 32.3 | 59.7 -27.4 |
| 10:45 PM - 11:00 PM | 35.7 | 62.7 | -27.0 | 7.0 | - | 31.7 | 59.7 -28.0 |
| 11:00 PM - 11:15 PM | 35.1 | 62.7 | -27.6 | 7.0 | - | 31.1 | 59.7 -28.6 |
| 11:15 PM - 11:30 PM | 34.5 | 62.7 | -28.2 | 7.0 | - | 30.5 | 59.7 -29.2 |
| 11:30 PM - 11:45 PM | 33.9 | 62.7 | -28.8 | 7.0 | - | 29.9 | 59.7 -29.8 |
| 11:45 PM - 12:00 PM | 33.3 | 62.7 | -29.4 | 7.0 | - | 29.3 | 59.7 -30.4 |
| 12:00 AM - 12:05 AM | 32.7 | 62.7 | -30.0 | 7.0 | - | 28.7 | 59.7 -31.0 |
| 12:05 AM - 12:10 AM | 32.1 | 62.7 | -30.6 | 7.0 | - | 28.1 | 59.7 -31.6 |
| 12:10 AM - 12:15 AM | 31.5 | 62.7 | -31.2 | 7.0 | - | 27.5 | 59.7 -32.2 |

Approved by

Dej Changnon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report

TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286954
Date Received : Aug 09, 2022
Date Reported : Aug 16, 2022
Report Number: 2403077-1

Page 1 of 1

| Sample Number | 2286954-30 | | |
|-----------------------------|---|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | Moo 3 Mabyangporn (N2) (GPS 47P 0732339, 1437041) | | |
| Measurement Date | Aug 06 - Aug 07, 2022 | | |
| Measurement by | Satcha Phetsawang | | |
| Sound Level meter | Serial No. 1073608 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 02:00 PM - 03:00 PM | 55.3 | 70.9 | 48.9 |
| 03:00 PM - 04:00 PM | 53.8 | 71.1 | 47.1 |
| 04:00 PM - 05:00 PM | 59.7 | 77.9 | 49.1 |
| 05:00 PM - 06:00 PM | 56.1 | 77.7 | 51.5 |
| 06:00 PM - 07:00 PM | 52.9 | 71.1 | 48.9 |
| 07:00 PM - 08:00 PM | 54.1 | 76.5 | 49.1 |
| 08:00 PM - 09:00 PM | 61.5 | 72.2 | 55.0 |
| 09:00 PM - 10:00 PM | 57.7 | 74.6 | 52.0 |
| 10:00 PM - 11:00 PM | 52.4 | 76.6 | 47.2 |
| 11:00 PM - 12:00 AM | 49.2 | 73.4 | 46.2 |
| 12:00 AM - 01:00 AM | 46.8 | 68.8 | 42.7 |
| 01:00 AM - 02:00 AM | 46.1 | 66.5 | 42.1 |
| 02:00 AM - 03:00 AM | 45.7 | 65.2 | 42.1 |
| 03:00 AM - 04:00 AM | 46.8 | 67.3 | 41.6 |
| 04:00 AM - 05:00 AM | 46.3 | 63.4 | 41.3 |
| 05:00 AM - 06:00 AM | 52.2 | 83.1 | 44.3 |
| 06:00 AM - 07:00 AM | 53.0 | 77.8 | 46.1 |
| 07:00 AM - 08:00 AM | 54.2 | 76.4 | 47.5 |
| 08:00 AM - 09:00 AM | 56.3 | 73.8 | 52.1 |
| 09:00 AM - 10:00 AM | 56.7 | 75.3 | 54.9 |
| 10:00 AM - 11:00 AM | 59.3 | 77.8 | 55.2 |
| 11:00 AM - 12:00 PM | 60.0 | 78.6 | 53.4 |
| 12:00 PM - 01:00 PM | 55.6 | 69.6 | 51.6 |
| 01:00 PM - 02:00 PM | 54.4 | 69.7 | 49.4 |
| Leq Average 24 hrs. (dB(A)) | 55.8 | | |
| Lmax (dB(A)) | | 83.1 | |
| L90 (dB(A)) | | | 48.9 |
| Ldn (dB(A)) | 58.4 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method | : ISO1996-1 and 1996-2 | | |
| Standard | : 1. มาตรการควบคุมการสัมผัสเสียงของแหล่งกำเนิด 15 (น.ย. 2540) เพื่อการกำหนดมาตรการควบคุมเสียงในโรงงาน 2. มาตรการควบคุมการสัมผัสเสียงของแหล่งกำเนิด 15 (น.ย. 2540) เพื่อการกำหนดมาตรการควบคุมเสียงในโรงงาน 3. มาตรการควบคุมการสัมผัสเสียงของแหล่งกำเนิด 15 (น.ย. 2540) เพื่อการกำหนดมาตรการควบคุมเสียงในโรงงาน | | |

Remark :
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulnirong
Scientist (4)

Approved by

Suppt S
Supet Salameh
Section Head

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ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number : 2402092-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 1 of 3

Sample No. 2286957-3
Parameter เลื่อนฐาน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Aug 04 - 05, 2022
Measurement by Satcha Phetsaewang
Sound Level Meter 00734221

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีกิจกรรม | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|----------------------|--------|------------|----------------------------|---------|--------------|------------------|
| | | | | | กลางคืน | กลางวัน | | |
| 09:00 AM - 10:00 AM | 62.7 | 65.0 | -2.3 | 7.0 | 55.7 | - | 62.4 | -6.7 |
| 10:00 AM - 11:00 AM | 63.2 | 65.0 | -1.8 | 7.0 | 56.2 | - | 62.4 | -6.2 |
| 11:00 AM - 12:00 PM | 63.5 | 65.0 | -1.5 | 7.0 | 56.5 | - | 62.4 | -5.9 |
| 12:00 PM - 01:00 PM | 61.3 | 65.0 | -3.7 | 7.0 | 54.3 | - | 62.4 | -8.1 |
| 01:00 PM - 02:00 PM | 62.8 | 65.0 | -2.2 | 7.0 | 55.8 | - | 62.4 | -6.6 |
| 02:00 PM - 03:00 PM | 63.1 | 65.0 | -1.9 | 7.0 | 56.1 | - | 62.4 | -6.3 |
| 03:00 PM - 04:00 PM | 63.6 | 65.0 | -1.4 | 7.0 | 56.6 | - | 62.4 | -5.8 |
| 04:00 PM - 05:00 PM | 64.2 | 65.0 | -0.8 | 7.0 | 57.2 | - | 62.4 | -5.2 |
| 05:00 PM - 06:00 PM | 67.1 | 65.0 | 2.1 | 4.5 | 62.6 | - | 62.4 | 0.2 |
| 06:00 PM - 07:00 PM | 63.2 | 65.0 | -1.8 | 7.0 | 56.2 | - | 62.4 | -6.2 |
| 07:00 PM - 08:00 PM | 66.0 | 65.0 | 1.0 | 7.0 | 59.0 | - | 62.4 | -3.4 |
| 08:00 PM - 09:00 PM | 65.7 | 65.0 | 0.7 | 7.0 | 58.7 | - | 62.4 | -3.7 |
| 09:00 PM - 10:00 PM | 62.3 | 65.0 | -2.7 | 7.0 | 55.3 | - | 62.4 | -7.1 |
| 10:00 PM - 10:55 PM | 60.5 | 62.7 | -2.2 | 7.0 | 53.5 | 59.7 | -3.2 | - |
| 10:55 PM - 10:59 PM | 60.9 | 62.7 | -1.8 | 7.0 | 53.9 | 59.7 | -2.8 | - |
| 10:59 PM - 11:00 PM | 60.2 | 62.7 | -2.5 | 7.0 | 53.7 | 59.7 | -3.5 | - |
| 10:59 PM - 11:00 PM | 59.2 | 62.7 | -3.5 | 7.0 | 52.7 | 59.7 | -4.5 | - |
| 10:59 PM - 11:00 PM | 58.4 | 62.7 | -4.3 | 7.0 | 51.4 | 59.7 | -5.3 | - |
| 10:59 PM - 11:00 PM | 58.4 | 62.7 | -4.3 | 7.0 | 51.4 | 59.7 | -5.3 | - |
| 10:59 PM - 11:00 PM | 60.6 | 62.7 | -2.1 | 7.0 | 53.5 | 59.7 | -3.1 | - |
| 10:59 PM - 11:00 PM | 58.9 | 62.7 | -3.8 | 7.0 | 51.9 | 59.7 | -4.8 | - |
| 10:59 PM - 11:00 PM | 58.7 | 62.7 | -4.0 | 7.0 | 51.7 | 59.7 | -5.0 | - |
| 10:59 PM - 11:00 PM | 57.5 | 62.7 | -5.2 | 7.0 | 50.5 | 59.7 | -6.2 | - |
| 10:59 PM - 11:00 PM | 57.9 | 62.7 | -4.8 | 7.0 | 50.9 | 59.7 | -5.8 | - |
| 10:59 PM - 11:00 PM | 57.1 | 62.7 | -5.6 | 7.0 | 50.1 | 59.7 | -6.6 | - |
| 11:00 PM - 11:05 PM | 57.6 | 62.7 | -5.1 | 7.0 | 50.6 | 59.7 | -6.1 | - |
| 11:05 PM - 11:10 PM | 57.3 | 62.7 | -5.4 | 7.0 | 50.3 | 59.7 | -6.4 | - |
| 11:10 PM - 11:15 PM | 61.2 | 62.7 | -1.5 | 7.0 | 54.2 | 59.7 | -2.5 | - |
| 11:15 PM - 11:20 PM | 56.8 | 62.7 | -5.9 | 7.0 | 49.8 | 59.7 | -6.9 | - |
| 11:20 PM - 11:25 PM | 55.8 | 62.7 | -6.9 | 7.0 | 48.8 | 59.7 | -7.9 | - |
| 11:25 PM - 11:30 PM | 55.6 | 62.7 | -7.1 | 7.0 | 48.6 | 59.7 | -8.1 | - |
| 11:30 PM - 11:35 PM | 55.8 | 62.7 | -6.9 | 7.0 | 48.8 | 59.7 | -7.9 | - |
| 11:35 PM - 11:40 PM | 55.1 | 62.7 | -7.6 | 7.0 | 48.1 | 59.7 | -8.6 | - |
| 11:40 PM - 11:45 PM | 56.9 | 62.7 | -5.8 | 7.0 | 49.9 | 59.7 | -6.8 | - |
| 11:45 PM - 11:50 PM | 55.3 | 62.7 | -7.4 | 7.0 | 48.3 | 59.7 | -8.4 | - |
| 11:50 PM - 11:55 PM | 57.2 | 62.7 | -5.5 | 7.0 | 50.2 | 59.7 | -6.5 | - |
| 11:55 PM - 12:00 AM | 58.6 | 62.7 | -4.1 | 7.0 | 51.6 | 59.7 | -5.1 | - |
| 12:00 AM - 12:05 AM | 57.5 | 62.7 | -5.2 | 7.0 | 50.3 | 59.7 | -6.2 | - |
| 12:05 AM - 12:10 AM | 57.7 | 62.7 | -5.0 | 7.0 | 50.5 | 59.7 | -6.0 | - |
| 12:10 AM - 12:15 AM | 56.1 | 62.7 | -6.6 | 7.0 | 49.5 | 59.7 | -7.6 | - |

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Approved by

Dej Changchon
Manager
Senior

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Life Sciences

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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number : 2402092-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 3 of 3

Sample No. 2286957-3
Parameter เลื่อนฐาน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Aug 04 - 05, 2022
Measurement by Satcha Phetsaewang
Sound Level Meter 00734221

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีกิจกรรม | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|----------------------|--------|------------|----------------------------|---------|--------------|------------------|
| | | | | | กลางคืน | กลางวัน | | |
| 03:35 AM - 03:40 AM | 54.0 | 62.7 | -8.7 | 7.0 | 50.0 | 59.7 | -9.7 | - |
| 03:40 AM - 03:45 AM | 54.0 | 62.7 | -8.7 | 7.0 | 50.0 | 59.7 | -9.7 | - |
| 03:45 AM - 03:50 AM | 54.9 | 62.7 | -7.8 | 7.0 | 51.9 | 59.7 | -8.8 | - |
| 03:50 AM - 03:55 AM | 53.8 | 62.7 | -8.9 | 7.0 | 49.8 | 59.7 | -9.9 | - |
| 03:55 AM - 04:00 AM | 55.3 | 62.7 | -7.4 | 7.0 | 51.3 | 59.7 | -8.4 | - |
| 04:00 AM - 04:05 AM | 56.2 | 62.7 | -6.5 | 7.0 | 52.2 | 59.7 | -7.5 | - |
| 04:05 AM - 04:10 AM | 56.4 | 62.7 | -6.3 | 7.0 | 52.4 | 59.7 | -7.3 | - |
| 04:10 AM - 04:15 AM | 56.8 | 62.7 | -5.9 | 7.0 | 52.8 | 59.7 | -6.9 | - |
| 04:15 AM - 04:20 AM | 55.5 | 62.7 | -7.2 | 7.0 | 51.3 | 59.7 | -8.2 | - |
| 04:20 AM - 04:25 AM | 56.2 | 62.7 | -6.5 | 7.0 | 52.2 | 59.7 | -7.5 | - |
| 04:25 AM - 04:30 AM | 57.6 | 62.7 | -5.1 | 7.0 | 53.6 | 59.7 | -6.1 | - |
| 04:30 AM - 04:35 AM | 57.7 | 62.7 | -5.0 | 7.0 | 53.7 | 59.7 | -6.0 | - |
| 04:35 AM - 04:40 AM | 56.8 | 62.7 | -5.9 | 7.0 | 52.8 | 59.7 | -6.9 | - |
| 04:40 AM - 04:45 AM | 56.1 | 62.7 | -6.6 | 7.0 | 52.1 | 59.7 | -7.6 | - |
| 04:45 AM - 04:50 AM | 56.4 | 62.7 | -6.3 | 7.0 | 52.4 | 59.7 | -7.3 | - |
| 04:50 AM - 04:55 AM | 58.2 | 62.7 | -4.5 | 7.0 | 54.2 | 59.7 | -5.5 | - |
| 04:55 AM - 05:00 AM | 59.0 | 62.7 | -3.7 | 7.0 | 55.0 | 59.7 | -4.7 | - |
| 05:00 AM - 05:05 AM | 57.6 | 62.7 | -5.1 | 7.0 | 53.6 | 59.7 | -6.1 | - |
| 05:05 AM - 05:10 AM | 62.6 | 62.7 | -0.1 | 7.0 | 58.6 | 59.7 | -1.1 | - |
| 05:10 AM - 05:15 AM | 61.4 | 62.7 | -1.3 | 7.0 | 57.4 | 59.7 | -2.3 | - |
| 05:15 AM - 05:20 AM | 66.0 | 62.7 | 3.3 | 3.0 | 66.0 | 59.7 | 6.3 | - |
| 05:20 AM - 05:25 AM | 63.9 | 62.7 | 1.2 | 7.0 | 59.9 | 59.7 | 0.2 | - |
| 05:25 AM - 05:30 AM | 66.0 | 62.7 | 3.3 | 3.0 | 66.0 | 59.7 | 6.3 | - |
| 05:30 AM - 05:35 AM | 67.3 | 62.7 | 4.6 | 1.5 | 68.8 | 59.7 | 9.1 | - |
| 05:35 AM - 05:40 AM | 58.3 | 62.7 | -4.4 | 7.0 | 54.3 | 59.7 | -5.4 | - |
| 05:40 AM - 05:45 AM | 59.7 | 62.7 | -3.0 | 7.0 | 55.7 | 59.7 | -4.0 | - |
| 05:45 AM - 05:50 AM | 59.8 | 62.7 | -2.9 | 7.0 | 55.8 | 59.7 | -3.9 | - |
| 05:50 AM - 05:55 AM | 57.1 | 62.7 | -5.6 | 7.0 | 51.1 | 59.7 | -6.6 | - |
| 05:55 AM - 06:00 AM | 59.2 | 62.7 | -3.5 | 7.0 | 55.2 | 59.7 | -4.5 | - |
| 06:00 AM - 07:00 AM | 59.8 | 65.0 | -5.2 | 7.0 | 52.8 | - | 62.4 | -9.6 |
| 07:00 AM - 08:00 AM | 66.1 | 65.0 | 1.1 | 7.0 | 59.1 | - | 62.4 | -3.3 |
| 08:00 AM - 09:00 AM | 65.3 | 65.0 | 0.3 | 7.0 | 58.3 | - | 62.4 | -4.1 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ
1. ผลการตรวจวัดค่าทางกายภาพ หรือ ค่าทางเคมีของสิ่งแวดล้อมหรือค่าทางกายภาพอื่นใดที่ปรากฏในรายงานฉบับนี้ เป็นการรายงานผลตามที่ได้ดำเนินการตรวจวัด ณ สถานที่ดังกล่าวเท่านั้น และไม่มีการตรวจสอบหรือยืนยันผลของค่าดังกล่าวว่าเป็นค่าที่แท้จริงหรือไม่
 2. ผลการตรวจวัดค่าทางกายภาพ หรือ ค่าทางเคมีของสิ่งแวดล้อมหรือค่าทางกายภาพอื่นใดที่ปรากฏในรายงานฉบับนี้ เป็นการรายงานผลตามที่ได้ดำเนินการตรวจวัด ณ สถานที่ดังกล่าวเท่านั้น และไม่มีการตรวจสอบหรือยืนยันผลของค่าดังกล่าวว่าเป็นค่าที่แท้จริงหรือไม่
 3. ผลการตรวจวัดค่าทางกายภาพ หรือ ค่าทางเคมีของสิ่งแวดล้อมหรือค่าทางกายภาพอื่นใดที่ปรากฏในรายงานฉบับนี้ เป็นการรายงานผลตามที่ได้ดำเนินการตรวจวัด ณ สถานที่ดังกล่าวเท่านั้น และไม่มีการตรวจสอบหรือยืนยันผลของค่าดังกล่าวว่าเป็นค่าที่แท้จริงหรือไม่
 4. ผลการตรวจวัดค่าทางกายภาพ หรือ ค่าทางเคมีของสิ่งแวดล้อมหรือค่าทางกายภาพอื่นใดที่ปรากฏในรายงานฉบับนี้ เป็นการรายงานผลตามที่ได้ดำเนินการตรวจวัด ณ สถานที่ดังกล่าวเท่านั้น และไม่มีการตรวจสอบหรือยืนยันผลของค่าดังกล่าวว่าเป็นค่าที่แท้จริงหรือไม่

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Approved by

Dej Changchon
Manager
Senior

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number : 2402092-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 2 of 3

Sample No. 2286957-3
Parameter เลื่อนฐาน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Aug 04 - 05, 2022
Measurement by Satcha Phetsaewang
Sound Level Meter 00734221

| เวลา | ข้อมูลเสียง (dB(A)) | | | | | เสียงพื้นฐาน ค่าจากงาน | ค่าการรบกวน | |
|---------------------|-------------------------|--------------------------|--------|------------|---------------------------------------|---------------------------|-------------|---------|
| | เสียงจาก แหล่งกำเนิด | เสียงขณะ ไม่มีกิจกรรม | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด กลางคืน | | | กลางคืน |
| 12:15 AM - 12:20 AM | 53.3 | 62.7 | -9.4 | 7.0 | 49.3 | 59.7 | -10.4 | |
| 12:20 AM - 12:25 AM | 53.0 | 62.7 | -9.7 | 7.0 | - | 49.0 | 59.7 | -10.7 |
| 12:25 AM - 12:30 AM | 53.3 | 62.7 | -9.4 | 7.0 | - | 49.3 | 59.7 | -10.4 |
| 12:30 AM - 12:35 AM | 53.1 | 62.7 | -9.6 | 7.0 | - | 49.1 | 59.7 | -10.6 |
| 12:35 AM - 12:40 AM | 53.7 | 62.7 | -9.0 | 7.0 | - | 49.7 | 59.7 | -10.0 |
| 12:40 AM - 12:45 AM | 57.8 | 62.7 | -4.9 | 7.0 | - | 53.8 | 59.7 | -5.9 |
| 12:45 AM - 12:50 AM | 53.7 | 62.7 | -9.0 | 7.0 | - | 49.7 | 59.7 | -10.0 |
| 12:50 AM - 12:55 AM | 54.0 | 62.7 | -8.7 | 7.0 | - | 50.0 | 59.7 | -9.7 |
| 12:55 AM - 01:00 AM | 55.5 | 62.7 | -7.2 | 7.0 | - | 51.5 | 59.7 | -8.2 |
| 01:00 AM - 01:05 AM | 55.2 | 62.7 | -7.5 | 7.0 | - | 51.2 | 59.7 | -8.5 |
| 01:05 AM - 01:10 AM | 54.3 | 62.7 | -8.4 | 7.0 | - | 50.3 | 59.7 | -9.4 |
| 01:10 AM - 01:15 AM | 53.8 | 62.7 | -8.9 | 7.0 | - | 49.8 | 59.7 | -9.9 |
| 01:15 AM - 01:20 AM | 54.8 | 62.7 | -7.9 | 7.0 | - | 50.8 | 59.7 | -8.9 |
| 01:20 AM - 01:25 AM | 54.3 | 62.7 | -8.4 | 7.0 | - | 50.3 | 59.7 | -9.4 |
| 01:25 AM - 01:30 AM | 55.6 | 62.7 | -7.1 | 7.0 | - | 51.6 | 59.7 | -8.1 |
| 01:30 AM - 01:35 AM | 54.4 | 62.7 | -8.3 | 7.0 | - | 50.4 | 59.7 | -9.3 |
| 01:35 AM - 01:40 AM | 54.4 | 62.7 | -8.3 | 7.0 | - | 50.4 | 59.7 | -9.3 |
| 01:40 AM - 01:45 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 | -1.3 |
| 01:45 AM - 01:50 AM | 55.2 | 62.7 | -7.5 | 7.0 | - | 51.2 | 59.7 | -8.5 |
| 01:50 AM - 01:55 AM | 54.9 | 62.7 | -7.8 | 7.0 | - | 50.9 | 59.7 | -8.8 |
| 01:55 AM - 02:00 AM | 54.7 | 62.7 | -8.0 | 7.0 | - | 50.7 | 59.7 | -9.0 |
| 02:00 AM - 02:05 AM | 55.6 | 62.7 | -7.1 | 7.0 | - | 51.6 | 59.7 | -8.1 |
| 02:05 AM - 02:10 AM | 54.5 | 62.7 | -8.2 | 7.0 | - | 50.5 | 59.7 | -9.2 |
| 02:10 AM - 02:15 AM | 54.4 | 62.7 | -8.3 | 7.0 | - | 50.4 | 59.7 | -9.3 |
| 02:15 AM - 02:20 AM | 54.1 | 62.7 | -8.6 | 7.0 | - | 50.1 | 59.7 | -9.6 |
| 02:20 AM - 02:25 AM | 54.4 | 62.7 | -8.3 | 7.0 | - | 50.4 | 59.7 | -9.3 |
| 02:25 AM - 02:30 AM | 54.1 | 62.7 | -8.6 | 7.0 | - | 50.1 | 59.7 | -9.6 |
| 02:30 AM - 02:35 AM | 54.2 | 62.7 | -8.5 | 7.0 | - | 50.2 | 59.7 | -9.5 |
| 02:35 AM - 02:40 AM | 54.3 | 62.7 | -8.4 | 7.0 | - | 50.3 | 59.7 | -9.4 |
| 02:40 AM - 02:45 AM | 57.8 | 62.7 | -4.9 | 7.0 | - | 53.8 | 59.7 | -5.9 |
| 02:45 AM - 02:50 AM | 54.5 | 62.7 | -8.2 | 7.0 | - | 50.5 | 59.7 | -9.2 |
| 02:50 AM - 02:55 AM | 54.4 | 62.7 | -8.3 | 7.0 | - | 50.4 | 59.7 | -9.3 |
| 02:55 AM - 03:00 AM | 55.4 | 62.7 | -7.3 | 7.0 | - | 51.4 | 59.7 | -8.3 |
| 03:00 AM - 03:05 AM | 55.9 | 62.7 | -6.8 | 7.0 | - | 51.9 | 59.7 | -7.8 |
| 03:05 AM - 03:10 AM | 54.7 | 62.7 | -8.0 | 7.0 | - | 50.7 | 59.7 | -9.0 |
| 03:10 AM - 03:15 AM | 55.2 | 62.7 | -7.5 | 7.0 | - | 51.2 | 59.7 | -8.5 |
| 03:15 AM - 03:20 AM | 64.2 | 62.7 | -1.5 | 4.5 | - | 62.7 | 59.7 | 3.0 |
| 03:20 AM - 03:25 AM | 54.4 | 62.7 | -8.3 | 7.0 | - | 50.4 | 59.7 | -9.3 |
| 03:25 AM - 03:30 AM | 54.7 | 62.7 | -8.0 | 7.0 | - | 50.7 | 59.7 | -9.0 |
| 03:30 AM - 03:35 AM | 53.9 | 62.7 | -8.8 | 7.0 | - | 49.9 | 59.7 | -9.8 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number : 2402093-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. 2286957-4
Parameter เสร็จงาน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Aug 05 - 06, 2022
Measurement by Sattha Phetsawang
Sound Level Meter 00734221

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|------------------|
| | | | | | กลางวัน | กลางคืน | | |
| 12:15 AM - 12:20 AM | 62.6 | 62.7 | -0.1 | 7.0 | - | 58.6 | 59.7 | -1.1 |
| 12:20 AM - 12:25 AM | 60.6 | 62.7 | -2.1 | 7.0 | - | 56.6 | 59.7 | -3.1 |
| 12:25 AM - 12:30 AM | 57.8 | 62.7 | -4.9 | 7.0 | - | 53.8 | 59.7 | -5.9 |
| 12:30 AM - 12:35 AM | 54.7 | 62.7 | -8.0 | 7.0 | - | 50.7 | 59.7 | -9.0 |
| 12:35 AM - 12:40 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 | -1.3 |
| 12:40 AM - 12:45 AM | 56.7 | 62.7 | -6.0 | 7.0 | - | 52.7 | 59.7 | -7.0 |
| 12:45 AM - 12:50 AM | 59.8 | 62.7 | -2.9 | 7.0 | - | 55.8 | 59.7 | -3.9 |
| 12:50 AM - 12:55 AM | 58.0 | 62.7 | -4.7 | 7.0 | - | 54.0 | 59.7 | -5.7 |
| 12:55 AM - 01:00 AM | 61.6 | 62.7 | -1.1 | 7.0 | - | 57.6 | 59.7 | -2.1 |
| 01:00 AM - 01:05 AM | 64.8 | 62.7 | 2.1 | 4.5 | - | 61.3 | 59.7 | 1.6 |
| 01:05 AM - 01:10 AM | 64.4 | 62.7 | 1.7 | 4.5 | - | 62.9 | 59.7 | 3.2 |
| 01:10 AM - 01:15 AM | 54.4 | 62.7 | -8.3 | 7.0 | - | 50.4 | 59.7 | -9.3 |
| 01:15 AM - 01:20 AM | 54.0 | 62.7 | -8.7 | 7.0 | - | 50.0 | 59.7 | -9.7 |
| 01:20 AM - 01:25 AM | 55.5 | 62.7 | -7.2 | 7.0 | - | 51.5 | 59.7 | -8.2 |
| 01:25 AM - 01:30 AM | 53.9 | 62.7 | -8.8 | 7.0 | - | 49.9 | 59.7 | -9.8 |
| 01:30 AM - 01:35 AM | 53.9 | 62.7 | -8.8 | 7.0 | - | 49.9 | 59.7 | -9.8 |
| 01:35 AM - 01:40 AM | 53.9 | 62.7 | -8.8 | 7.0 | - | 49.9 | 59.7 | -9.8 |
| 01:40 AM - 01:45 AM | 54.0 | 62.7 | -8.7 | 7.0 | - | 50.0 | 59.7 | -9.7 |
| 01:45 AM - 01:50 AM | 55.4 | 62.7 | -7.3 | 7.0 | - | 51.4 | 59.7 | -8.3 |
| 01:50 AM - 01:55 AM | 54.4 | 62.7 | -8.3 | 7.0 | - | 50.4 | 59.7 | -9.3 |
| 01:55 AM - 02:00 AM | 53.8 | 62.7 | -8.9 | 7.0 | - | 49.8 | 59.7 | -9.9 |
| 02:00 AM - 02:05 AM | 55.2 | 62.7 | -7.5 | 7.0 | - | 51.2 | 59.7 | -8.5 |
| 02:05 AM - 02:10 AM | 53.6 | 62.7 | -9.1 | 7.0 | - | 49.6 | 59.7 | -10.1 |
| 02:10 AM - 02:15 AM | 53.6 | 62.7 | -9.1 | 7.0 | - | 49.6 | 59.7 | -10.1 |
| 02:15 AM - 02:20 AM | 54.9 | 62.7 | -7.8 | 7.0 | - | 50.9 | 59.7 | -8.8 |
| 02:20 AM - 02:25 AM | 54.3 | 62.7 | -8.4 | 7.0 | - | 50.3 | 59.7 | -9.4 |
| 02:25 AM - 02:30 AM | 54.1 | 62.7 | -8.6 | 7.0 | - | 50.1 | 59.7 | -9.6 |
| 02:30 AM - 02:35 AM | 58.4 | 62.7 | -4.3 | 7.0 | - | 54.4 | 59.7 | -5.3 |
| 02:35 AM - 02:40 AM | 56.9 | 62.7 | -5.8 | 7.0 | - | 52.9 | 59.7 | -6.8 |
| 02:40 AM - 02:45 AM | 54.0 | 62.7 | -8.7 | 7.0 | - | 50.0 | 59.7 | -9.7 |
| 02:45 AM - 02:50 AM | 56.2 | 62.7 | -6.5 | 7.0 | - | 52.2 | 59.7 | -7.5 |
| 02:50 AM - 02:55 AM | 54.1 | 62.7 | -8.6 | 7.0 | - | 50.1 | 59.7 | -9.6 |
| 02:55 AM - 03:00 AM | 54.3 | 62.7 | -8.4 | 7.0 | - | 50.3 | 59.7 | -9.4 |
| 03:00 AM - 03:05 AM | 54.1 | 62.7 | -8.6 | 7.0 | - | 50.1 | 59.7 | -9.6 |
| 03:05 AM - 03:10 AM | 54.0 | 62.7 | -8.7 | 7.0 | - | 50.0 | 59.7 | -9.7 |
| 03:10 AM - 03:15 AM | 54.0 | 62.7 | -8.7 | 7.0 | - | 50.0 | 59.7 | -9.7 |
| 03:15 AM - 03:20 AM | 54.1 | 62.7 | -8.6 | 7.0 | - | 50.1 | 59.7 | -9.6 |
| 03:20 AM - 03:25 AM | 54.0 | 62.7 | -8.7 | 7.0 | - | 50.0 | 59.7 | -9.7 |
| 03:25 AM - 03:30 AM | 54.0 | 62.7 | -8.7 | 7.0 | - | 50.0 | 59.7 | -9.7 |
| 03:30 AM - 03:35 AM | 54.0 | 62.7 | -8.7 | 7.0 | - | 50.0 | 59.7 | -9.7 |

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Approved by

Dej Changnon
Senior Manager

Dej Changnon
Senior Manager

ADDRESS 616/10 Moo 5, T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number : 2402094-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. 2286957-5
Parameter เสร็จงาน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Aug 06 - 07, 2022
Measurement by Sattha Phetsawang
Sound Level Meter 00734221

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|------------------|
| | | | | | กลางวัน | กลางคืน | | |
| 09:00 AM - 10:00 AM | 65.5 | 65.0 | 0.5 | 7.0 | 58.5 | - | 62.4 | -3.9 |
| 10:00 AM - 11:00 AM | 65.7 | 65.0 | 0.7 | 7.0 | 58.7 | - | 62.4 | -3.7 |
| 11:00 AM - 12:00 PM | 65.9 | 65.0 | 0.9 | 7.0 | 58.9 | - | 62.4 | -3.5 |
| 12:00 PM - 01:00 PM | 63.5 | 65.0 | -1.5 | 7.0 | 56.5 | - | 62.4 | -5.9 |
| 01:00 PM - 02:00 PM | 63.7 | 65.0 | -1.3 | 7.0 | 56.7 | - | 62.4 | -5.7 |
| 02:00 PM - 03:00 PM | 65.0 | 65.0 | 0.0 | 7.0 | 58.0 | - | 62.4 | -4.4 |
| 03:00 PM - 04:00 PM | 65.0 | 65.0 | 0.0 | 7.0 | 58.0 | - | 62.4 | -4.4 |
| 04:00 PM - 05:00 PM | 65.3 | 65.0 | 0.3 | 7.0 | 58.3 | - | 62.4 | -4.1 |
| 05:00 PM - 06:00 PM | 65.2 | 65.0 | 0.2 | 7.0 | 58.2 | - | 62.4 | -4.2 |
| 06:00 PM - 07:00 PM | 61.6 | 65.0 | -3.4 | 7.0 | 54.6 | - | 62.4 | -7.8 |
| 07:00 PM - 08:00 PM | 63.6 | 65.0 | -1.4 | 7.0 | 56.6 | - | 62.4 | -5.8 |
| 08:00 PM - 09:00 PM | 66.2 | 65.0 | 1.2 | 7.0 | 59.2 | - | 62.4 | -3.2 |
| 09:00 PM - 10:00 PM | 59.9 | 65.0 | -5.1 | 7.0 | 52.9 | - | 62.4 | -9.5 |
| 10:00 PM - 11:00 PM | 58.5 | 62.7 | -4.2 | 7.0 | 54.5 | 59.7 | -5.2 | - |
| 11:00 PM - 12:00 AM | 60.4 | 62.7 | -2.3 | 7.0 | 56.4 | 59.7 | -3.3 | - |
| 12:00 AM - 01:00 AM | 58.4 | 62.7 | -4.3 | 7.0 | 54.4 | 59.7 | -5.3 | - |
| 01:00 AM - 02:00 AM | 59.6 | 62.7 | -3.1 | 7.0 | 55.6 | 59.7 | -4.1 | - |
| 02:00 AM - 03:00 AM | 58.0 | 62.7 | -4.7 | 7.0 | 54.0 | 59.7 | -5.7 | - |
| 03:00 PM - 04:00 PM | 57.9 | 62.7 | -4.8 | 7.0 | 53.9 | 59.7 | -5.8 | - |
| 04:00 PM - 05:00 PM | 56.3 | 62.7 | -6.4 | 7.0 | 52.3 | 59.7 | -7.4 | - |
| 05:00 PM - 06:00 PM | 58.6 | 62.7 | -4.1 | 7.0 | 54.6 | 59.7 | -5.1 | - |
| 06:00 PM - 07:00 PM | 58.5 | 62.7 | -4.2 | 7.0 | 54.5 | 59.7 | -5.2 | - |
| 07:00 PM - 08:00 PM | 58.2 | 62.7 | -4.5 | 7.0 | 54.2 | 59.7 | -5.5 | - |
| 08:00 PM - 09:00 PM | 57.0 | 62.7 | -5.7 | 7.0 | 53.0 | 59.7 | -6.7 | - |
| 09:00 PM - 10:00 PM | 60.3 | 62.7 | -2.4 | 7.0 | 56.3 | 59.7 | -3.4 | - |
| 10:00 PM - 11:00 PM | 56.4 | 62.7 | -6.3 | 7.0 | 52.4 | 59.7 | -7.3 | - |
| 11:00 PM - 12:00 AM | 57.4 | 62.7 | -5.3 | 7.0 | 53.4 | 59.7 | -6.3 | - |
| 12:00 AM - 01:00 AM | 55.9 | 62.7 | -6.8 | 7.0 | 51.9 | 59.7 | -7.8 | - |
| 01:00 AM - 02:00 AM | 57.6 | 62.7 | -5.1 | 7.0 | 53.6 | 59.7 | -6.1 | - |
| 02:00 AM - 03:00 AM | 55.2 | 62.7 | -7.5 | 7.0 | 52.7 | 59.7 | -8.5 | - |
| 03:00 AM - 04:00 AM | 57.6 | 62.7 | -5.1 | 7.0 | 53.6 | 59.7 | -6.1 | - |
| 04:00 AM - 05:00 AM | 63.3 | 62.7 | 0.6 | 7.0 | 59.3 | 59.7 | -0.4 | - |
| 05:00 PM - 06:00 PM | 57.6 | 62.7 | -5.1 | 7.0 | 53.6 | 59.7 | -6.1 | - |
| 06:00 PM - 07:00 PM | 56.5 | 62.7 | -6.2 | 7.0 | 52.7 | 59.7 | -7.0 | - |
| 07:00 PM - 08:00 PM | 58.0 | 62.7 | -4.7 | 7.0 | 54.0 | 59.7 | -5.7 | - |
| 08:00 PM - 09:00 PM | 55.9 | 62.7 | -6.8 | 7.0 | 51.9 | 59.7 | -7.8 | - |
| 09:00 PM - 10:00 PM | 54.8 | 62.7 | -7.9 | 7.0 | 50.8 | 59.7 | -8.9 | - |
| 10:00 AM - 11:00 AM | 54.6 | 62.7 | -8.1 | 7.0 | 50.6 | 59.7 | -9.1 | - |
| 11:00 AM - 12:00 PM | 56.7 | 62.7 | -6.0 | 7.0 | 52.7 | 59.7 | -7.0 | - |
| 12:00 AM - 01:00 AM | 58.3 | 62.7 | -4.4 | 7.0 | 54.3 | 59.7 | -5.4 | - |

The above results are valid only for the area specified (indicated as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Dej Changnon
Senior Manager

Dej Changnon
Senior Manager

ADDRESS 616/10 Moo 5, T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number : 2402093-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. 2286957-4
Parameter เสร็จงาน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Aug 05 - 06, 2022
Measurement by Sattha Phetsawang
Sound Level Meter 00734221

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|------------|----------------------------|---------|--------------|------------------|
| | | | ผลต่างระดับเสียง | ตัวปรับค่า | กลางวัน | กลางคืน | | |
| 03:35 AM - 03:40 AM | 54.0 | 62.7 | -8.7 | 7.0 | - | 50.0 | 59.7 | -9.7 |
| 03:40 AM - 03:45 AM | 53.9 | 62.7 | -8.8 | 7.0 | - | 49.9 | 59.7 | -9.8 |
| 03:45 AM - 03:50 AM | 54.3 | 62.7 | -8.4 | 7.0 | - | 50.3 | 59.7 | -9.4 |
| 03:50 AM - 03:55 AM | 70.0 | 62.7 | 7.3 | 1.0 | - | 72.0 | 59.7 | 12.3 |
| 03:55 AM - 04:00 AM | 53.8 | 62.7 | -8.9 | 7.0 | - | 49.8 | 59.7 | -9.9 |
| 04:00 AM - 04:05 AM | 53.7 | 62.7 | -9.0 | 7.0 | - | 49.7 | 59.7 | -10.0 |
| 04:05 AM - 04:10 AM | 54.4 | 62.7 | -8.3 | 7.0 | - | 50.4 | 59.7 | -9.3 |
| 04:10 AM - 04:15 AM | 54.8 | 62.7 | -7.9 | 7.0 | - | 50.8 | 59.7 | -8.9 |
| 04:15 AM - 04:20 AM | 55.5 | 62.7 | -7.2 | 7.0 | - | 51.5 | 59.7 | -8.2 |
| 04:20 AM - 04:25 AM | 58.4 | 62.7 | -4.3 | 7.0 | - | 54.4 | 59.7 | -5.3 |
| 04:25 AM - 04:30 AM | 56.7 | 62.7 | -6.0 | 7.0 | - | 52.7 | 59.7 | -7.0 |
| 04:30 AM - 04:35 AM | 57.5 | 62.7 | -5.2 | 7.0 | - | 53.5 | 59.7 | -6.2 |
| 04:35 AM - 04:40 AM | 56.1 | 62.7 | -6.6 | 7.0 | - | 52.1 | 59.7 | -7.6 |
| 04:40 AM - 04:45 AM | 56.8 | 62.7 | -5.9 | 7.0 | - | 52.8 | 59.7 | -6.9 |
| 04:45 AM - 04:50 AM | 59.9 | 62.7 | -2.8 | 7.0 | - | 55.9 | 59.7 | -3.8 |
| 04:50 AM - 04:55 AM | 56.6 | 62.7 | -6.1 | 7.0 | - | 52.6 | 59.7 | -7.1 |
| 04:55 AM - 05:00 AM | 57.8 | 62.7 | -4.9 | 7.0 | - | 53.8 | 59.7 | -5.9 |
| 05:00 AM - 05:05 AM | 56.6 | 62.7 | -6.1 | 7.0 | - | 52.6 | 59.7 | -7.1 |
| 05:05 AM - 05:10 AM | 66.0 | 62.7 | 3.3 | 3.0 | - | 66.0 | 59.7 | 6.3 |
| 05:10 AM - 05:15 AM | 66.1 | 62.7 | 3.4 | 3.0 | - | 66.1 | 59.7 | 6.4 |
| 05:15 AM - 05:20 AM | 67.1 | 62.7 | 4.4 | 2.0 | - | 68.1 | 59.7 | 8.4 |
| 05:20 AM - 05:25 AM | 69.8 | 62.7 | 7.1 | 1.0 | - | 71.8 | 59.7 | 12.1 |
| 05:25 AM - 05:30 AM | 66.3 | 62.7 | 3.6 | 2.0 | - | 67.3 | 59.7 | 7.6 |
| 05:30 AM - 05:35 AM | 65.0 | 62.7 | 2.3 | 4.5 | - | 63.5 | 59.7 | 3.8 |
| 05:35 AM - 05:40 AM | 63.1 | 62.7 | 0.4 | 7.0 | - | 59.1 | | -0.6 |
| 05:40 AM - 05:45 AM | 60.5 | 62.7 | -2.2 | 7.0 | - | 56.5 | 59.7 | -3.2 |
| 05:45 AM - 05:50 AM | 57.2 | 62.7 | -5.5 | 7.0 | - | 53.2 | 59.7 | -6.5 |
| 05:50 AM - 05:55 AM | 56.2 | 62.7 | -6.5 | 7.0 | - | 52.2 | 59.7 | -7.5 |
| 05:55 AM - 06:00 AM | 57.1 | 62.7 | -5.6 | 7.0 | - | 53.1 | 59.7 | -6.6 |
| 06:00 AM - 07:00 AM | 60.2 | 65.0 | -4.8 | 7.0 | 53.2 | - | 62.4 | -9.2 |
| 07:00 AM - 08:00 AM | 65.8 | 65.0 | 1.8 | 4.5 | 62.3 | - | 62.4 | -0.1 |
| 08:00 AM - 09:00 AM | 66.7 | 65.0 | 0.7 | 7.0 | 58.7 | - | 62.4 | -3.7 |
| ค่าเฉลี่ยรวม | | | | | | | | ≤ 10 |



Analysis / Test Report

Client : Glow SP11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phukdaeng, Rayong
Thailand 21140
P/O :
Project Name :
Project Location : Glow SP11, Plant 1

TESTING
No.0042

Lot ID: 226957
Date Received Aug 09, 2022
Date Reported Aug 11, 2022
Report Number : 2402094-1

Page 2 of 3

Sample No. : 226957-5
Parameter : (เสียงรบกวน)
Location : North Fence (GPS 47P 0731791, 1438200)
Measurement Date : Aug 06 - 07, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 00734225

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวน | ระดับเสียง (dB(A)) | | เสียงที่เกิน | ค่าระดับการรบกวน |
|---------------------|---------------------|------------|--------------------|---------|--------------|------------------|
| | | | ผลต่าง | ค่าปรับ | | |
| 03:35 AM - 03:40 AM | 53.2 | 62.7 | -9.5 | 7.0 | - | -10.5 |
| 03:40 AM - 03:45 AM | 54.3 | 62.7 | -8.4 | 7.0 | - | -9.4 |
| 03:45 AM - 03:50 AM | 53.1 | 62.7 | -9.6 | 7.0 | - | -10.6 |
| 03:50 AM - 03:55 AM | 52.9 | 62.7 | -9.8 | 7.0 | - | -10.8 |
| 03:55 AM - 04:00 AM | 53.4 | 62.7 | -9.3 | 7.0 | - | -10.3 |
| 04:00 AM - 04:05 AM | 54.6 | 62.7 | -8.1 | 7.0 | - | -9.1 |
| 04:05 AM - 04:10 AM | 61.5 | 62.7 | -1.2 | 7.0 | - | -1.2 |
| 04:10 AM - 04:15 AM | 55.9 | 62.7 | -6.8 | 7.0 | - | -7.8 |
| 04:15 AM - 04:20 AM | 54.7 | 62.7 | -8.0 | 7.0 | - | -9.0 |
| 04:20 AM - 04:25 AM | 61.5 | 62.7 | -1.2 | 7.0 | - | -1.2 |
| 04:25 AM - 04:30 AM | 61.2 | 62.7 | -1.5 | 7.0 | - | -2.5 |
| 04:30 AM - 04:35 AM | 57.1 | 62.7 | -5.6 | 7.0 | - | -6.6 |
| 04:35 AM - 04:40 AM | 53.9 | 62.7 | -8.8 | 7.0 | - | -9.8 |
| 04:40 AM - 04:45 AM | 54.7 | 62.7 | -8.0 | 7.0 | - | -9.0 |
| 04:45 AM - 04:50 AM | 61.0 | 62.7 | -1.7 | 7.0 | - | -1.7 |
| 04:50 AM - 04:55 AM | 53.2 | 62.7 | -9.5 | 7.0 | - | -10.5 |
| 04:55 AM - 05:00 AM | 53.8 | 62.7 | -8.9 | 7.0 | - | -9.9 |
| 05:00 AM - 05:05 AM | 53.0 | 62.7 | -9.7 | 7.0 | - | -10.7 |
| 05:05 AM - 05:10 AM | 59.8 | 62.7 | -2.9 | 7.0 | - | -3.9 |
| 05:10 AM - 05:15 AM | 62.3 | 62.7 | -0.4 | 7.0 | - | -1.4 |
| 05:15 AM - 05:20 AM | 64.8 | 62.7 | 2.1 | 4.5 | - | 3.6 |
| 05:20 AM - 05:25 AM | 60.3 | 62.7 | -2.4 | 7.0 | - | -3.4 |
| 05:25 AM - 05:30 AM | 55.4 | 62.7 | -7.3 | 7.0 | - | -8.3 |
| 05:30 AM - 05:35 AM | 56.9 | 62.7 | -5.8 | 7.0 | - | -6.8 |
| 05:35 AM - 05:40 AM | 54.0 | 62.7 | -8.7 | 7.0 | - | -9.7 |
| 05:40 AM - 05:45 AM | 53.8 | 62.7 | -8.9 | 7.0 | - | -9.9 |
| 05:45 AM - 05:50 AM | 55.1 | 62.7 | -7.6 | 7.0 | - | -8.6 |
| 05:50 AM - 05:55 AM | 53.6 | 62.7 | -9.1 | 7.0 | - | -10.1 |
| 05:55 AM - 06:00 AM | 56.3 | 62.7 | -6.4 | 7.0 | - | -7.4 |
| 06:00 AM - 07:00 AM | 58.8 | 65.0 | -6.2 | 7.0 | 58.8 | -10.6 |
| 07:00 AM - 08:00 AM | 62.2 | 65.0 | -2.8 | 7.0 | 62.2 | -10.2 |
| 08:00 AM - 09:00 AM | 64.2 | 65.0 | -0.8 | 7.0 | 64.2 | -9.8 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ :
1. โปรดพิจารณาผลการทดสอบนี้ว่าเป็นค่าประมาณเท่านั้น ค่าจริงจะแตกต่างกันไปขึ้นอยู่กับสภาพแวดล้อมและการรบกวนจากภายนอก
 2. โปรดพิจารณาผลการทดสอบนี้ว่าเป็นค่าประมาณเท่านั้น ค่าจริงจะแตกต่างกันไปขึ้นอยู่กับสภาพแวดล้อมและการรบกวนจากภายนอก
 3. โปรดพิจารณาผลการทดสอบนี้ว่าเป็นค่าประมาณเท่านั้น ค่าจริงจะแตกต่างกันไปขึ้นอยู่กับสภาพแวดล้อมและการรบกวนจากภายนอก
 4. โปรดพิจารณาผลการทดสอบนี้ว่าเป็นค่าประมาณเท่านั้น ค่าจริงจะแตกต่างกันไปขึ้นอยู่กับสภาพแวดล้อมและการรบกวนจากภายนอก

Approved by

Dei Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556

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Analysis / Test Report

Client : Glow SP11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phukdaeng, Rayong
Thailand 21140
P/O :
Project Name :
Project Location : Glow SP11, Plant 1

TESTING
No.0042

Lot ID: 226957
Date Received Aug 09, 2022
Date Reported Aug 11, 2022
Report Number : 2402095-1

Page 2 of 3

Sample No. : 226957-6
Parameter : (เสียงรบกวน)
Location : East Fence (GPS 47P 0731864, 1438230)
Measurement Date : Aug 02 - 03, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 00734225

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวน | ระดับเสียง (dB(A)) | | เสียงที่เกิน | ค่าระดับการรบกวน |
|---------------------|---------------------|------------|--------------------|---------|--------------|------------------|
| | | | ผลต่าง | ค่าปรับ | | |
| 13:15 AM - 13:20 AM | 56.4 | 61.5 | -5.1 | 7.0 | - | -8.6 |
| 13:20 AM - 13:25 AM | 56.4 | 61.5 | -5.1 | 7.0 | - | -8.6 |
| 13:25 AM - 13:30 AM | 56.2 | 61.5 | -5.3 | 7.0 | - | -8.8 |
| 13:30 AM - 13:35 AM | 56.6 | 61.5 | -4.9 | 7.0 | - | -8.4 |
| 13:35 AM - 13:40 AM | 56.5 | 61.5 | -5.0 | 7.0 | - | -8.5 |
| 13:40 AM - 13:45 AM | 61.5 | 61.5 | 0.0 | 4.5 | - | 1.0 |
| 13:45 AM - 13:50 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | -9.3 |
| 13:50 AM - 13:55 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | -9.3 |
| 13:55 AM - 01:00 AM | 55.9 | 61.5 | -5.6 | 7.0 | - | -9.1 |
| 01:00 AM - 01:05 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | -9.3 |
| 01:05 AM - 01:10 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | -10.0 |
| 01:10 AM - 01:15 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | -10.1 |
| 01:15 AM - 01:20 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | -10.2 |
| 01:20 AM - 01:25 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | -9.8 |
| 01:25 AM - 01:30 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | -9.9 |
| 01:30 AM - 01:35 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | -10.2 |
| 01:35 AM - 01:40 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | -10.2 |
| 01:40 AM - 01:45 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | -10.5 |
| 01:45 AM - 01:50 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | -10.0 |
| 01:50 AM - 01:55 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | -10.3 |
| 01:55 AM - 02:00 AM | 56.0 | 61.5 | -5.5 | 7.0 | - | -9.0 |
| 02:00 AM - 02:05 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | -9.8 |
| 02:05 AM - 02:10 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | -10.0 |
| 02:10 AM - 02:15 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | -10.0 |
| 02:15 AM - 02:20 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | -10.4 |
| 02:20 AM - 02:25 AM | 56.0 | 61.5 | -5.5 | 7.0 | - | -9.0 |
| 02:25 AM - 02:30 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | -10.4 |
| 02:30 AM - 02:35 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | -9.9 |
| 02:35 AM - 02:40 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | -10.0 |
| 02:40 AM - 02:45 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | -10.0 |
| 02:45 AM - 02:50 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | -9.9 |
| 02:50 AM - 02:55 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | -10.6 |
| 02:55 AM - 03:00 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | -10.5 |
| 03:00 AM - 03:05 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | -10.0 |
| 03:05 AM - 03:10 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | -10.8 |
| 03:10 AM - 03:15 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | -10.4 |
| 03:15 AM - 03:20 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | -10.3 |
| 03:20 AM - 03:25 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | -10.7 |
| 03:25 AM - 03:30 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | -10.6 |
| 03:30 AM - 03:35 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | -9.8 |

Approved by

Dei Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556

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Analysis / Test Report

Client : Glow SP11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phukdaeng, Rayong
Thailand 21140

TESTING
No.0042

Lot ID: 226957
Date Received Aug 09, 2022
Date Reported Aug 11, 2022
Report Number : 2402095-1

Page 1 of 3

Sample No. : 226957-6
Parameter : (เสียงรบกวน)
Location : East Fence (GPS 47P 0731864, 1438230)
Measurement Date : Aug 02 - 03, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 00734225

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวน | ระดับเสียง (dB(A)) | | เสียงที่เกิน | ค่าระดับการรบกวน |
|---------------------|---------------------|------------|--------------------|---------|--------------|------------------|
| | | | ผลต่าง | ค่าปรับ | | |
| 09:00 AM - 09:05 AM | 66.2 | 63.9 | 2.3 | 4.5 | 61.7 | -1.5 |
| 09:05 AM - 09:10 AM | 67.0 | 63.9 | 3.1 | 3.0 | 64.0 | 0.8 |
| 09:10 AM - 09:15 AM | 64.9 | 63.9 | 1.0 | 7.0 | 57.9 | -5.3 |
| 09:15 AM - 09:20 AM | 69.4 | 63.9 | 5.5 | 1.5 | 67.9 | 4.7 |
| 09:20 AM - 09:25 AM | 64.6 | 63.9 | 0.7 | 7.0 | 57.6 | -5.6 |
| 09:25 AM - 09:30 AM | 61.8 | 63.9 | -2.1 | 7.0 | 56.8 | -6.4 |
| 09:30 AM - 09:35 AM | 62.6 | 63.9 | -1.3 | 7.0 | 55.6 | -7.6 |
| 09:35 AM - 09:40 AM | 63.9 | 63.9 | 0.0 | 7.0 | 56.9 | -6.3 |
| 09:40 AM - 09:45 AM | 63.1 | 63.9 | -0.8 | 7.0 | 56.1 | -7.1 |
| 09:45 AM - 09:50 AM | 62.8 | 63.9 | -1.1 | 7.0 | 55.9 | -7.4 |
| 09:50 AM - 09:55 AM | 63.7 | 63.9 | -0.2 | 7.0 | 56.7 | -6.5 |
| 09:55 AM - 10:00 AM | 64.4 | 63.9 | 0.5 | 7.0 | 57.4 | -5.8 |
| 10:00 AM - 10:05 AM | 65.6 | 63.9 | 1.7 | 4.5 | 61.1 | -2.1 |
| 10:05 AM - 10:10 AM | 65.0 | 61.5 | 3.5 | 2.0 | - | 5.0 |
| 10:10 AM - 10:15 PM | 65.1 | 61.5 | 3.6 | 2.0 | - | 5.1 |
| 10:15 PM - 10:20 PM | 65.2 | 61.5 | 3.7 | 2.0 | - | 5.2 |
| 10:20 PM - 10:25 PM | 65.1 | 61.5 | 3.6 | 2.0 | - | 5.1 |
| 10:25 PM - 10:30 PM | 64.6 | 61.5 | 3.1 | 3.0 | - | 3.6 |
| 10:30 PM - 10:35 PM | 64.3 | 61.5 | 2.8 | 3.0 | - | 3.3 |
| 10:35 PM - 10:40 PM | 64.1 | 61.5 | 2.6 | 3.0 | - | 3.1 |
| 10:40 PM - 10:45 PM | 64.0 | 61.5 | 2.5 | 3.0 | - | 3.0 |
| 10:45 PM - 10:50 PM | 64.2 | 61.5 | 2.7 | 3.0 | - | 3.2 |
| 10:50 PM - 10:55 PM | 63.8 | 61.5 | 2.3 | 4.5 | - | 2.3 |
| 10:55 PM - 11:00 PM | 63.8 | 61.5 | 2.3 | 4.5 | - | 2.3 |
| 11:00 PM - 11:05 PM | 64.0 | 61.5 | 2.5 | 3.0 | - | 3.0 |
| 11:05 PM - 11:10 PM | 63.8 | 61.5 | 2.3 | 4.5 | - | 2.3 |
| 11:10 PM - 11:15 PM | 63.9 | 61.5 | 2.4 | 4.5 | - | 2.4 |
| 11:15 PM - 11:20 PM | 63.6 | 61.5 | 2.1 | 4.5 | - | 2.1 |
| 11:20 PM - 11:25 PM | 62.5 | 61.5 | 1.0 | 7.0 | - | -1.0 |
| 11:25 PM - 11:30 PM | 59.3 | 61.5 | -2.2 | 7.0 | - | -5.2 |
| 11:30 PM - 11:35 PM | 58.2 | 61.5 | -3.3 | 7.0 | - | -6.8 |
| 11:35 PM - 11:40 PM | 59.4 | 61.5 | -2.1 | 7.0 | - | -5.6 |
| 11:40 PM - 11:45 PM | 57.8 | 61.5 | -3.7 | 7.0 | - | -7.2 |
| 11:45 PM - 11:50 PM | 57.1 | 61.5 | -4.4 | 7.0 | - | -7.9 |
| 11:50 PM - 11:55 PM | 56.5 | 61.5 | -5.0 | 7.0 | - | -8.5 |
| 11:55 PM - 12:00 AM | 57.0 | 61.5 | -4.5 | 7.0 | - | -8.0 |
| 12:00 AM - 12:05 AM | 56.6 | 61.5 | -4.9 | 7.0 | - | -8.4 |
| 12:05 AM - 12:10 AM | 56.5 | 61.5 | -5.0 | 7.0 | - | -8.5 |
| 12:10 AM - 12:15 AM | 56.3 | 61.5 | -5.2 | 7.0 | - | -8.7 |

Approved by

Dei Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556

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Analysis / Test Report

Client : Glow SP11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phukdaeng, Rayong
Thailand 21140

TESTING
No.0042

Lot ID: 226957
Date Received Aug 09, 2022
Date Reported Aug 11, 2022
Report Number : 2402095-1

Page 3 of 3

Sample No. : 226957-6
Parameter : (เสียงรบกวน)
Location : East Fence (GPS 47P 0731864, 1438230)
Measurement Date : Aug 02 - 03, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 00734225

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนไม่มีการรบกวน | ระดับเสียง (dB(A)) | | เกินค่าเสียงจากแหล่งกำเนิด | เกินค่าการรบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-------------------------|--------------------|---------|----------------------------|-----------------|------------------|
| | | | ผลต่าง | ค่าปรับ | | | |
| 03:35 AM - 03:40 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 -10.8 |
| 03:40 AM - 03:45 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 -10.7 |
| 03:45 AM - 03:50 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 -10.4 |
| 03:50 AM - 03:55 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 -10.4 |
| 03:55 AM - 04:00 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 -10.5 |
| 04:00 AM - 04:05 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 -10.7 |
| 04:05 AM - 04:10 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 -10.7 |
| 04:10 AM - 04:15 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 -10.1 |
| 04:15 AM - 04:20 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 -10.0 |
| 04:20 AM - 04:25 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 -9.4 |
| 04:25 AM - 04:30 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 -10.0 |
| 04:30 AM - 04:35 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 -9.9 |
| 04:35 AM - 04:40 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 -10.4 |
| 04:40 AM - 04:45 AM | 55.9 | 61.5 | -5.6 | 7.0 | - | 51.9 | 61.0 -9.1 |
| 04:45 AM - 04:50 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 -9.9 |
| 04:50 AM - 04:55 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 -8.3 |
| 04:55 AM - 05:00 AM | 56.1 | 61.5 | -5.4 | 7.0 | - | 52.1 | 61.0 -8.9 |
| 05:00 AM - 05:05 AM | 56.6 | 61.5 | -4.9 | 7.0 | - | 52.6 | 61.0 -8.4 |
| 05:05 AM - 05:10 AM | 57.5 | 61.5 | -4.0 | 7.0 | - | 53.5 | 61.0 -7.5 |
| 05:10 AM - 05:15 AM | 58.1 | 61.5 | -3.4 | 7.0 | - | 54.1 | 61.0 -6.9 |
| 05:15 AM - 05:20 AM | 56.5 | 61.5 | -5.0 | 7.0 | - | 52.5 | 61.0 -8.5 |
| 05:20 AM - 05:25 AM | 60.0 | 61.5 | -1.5 | 7.0 | - | 56.0 | 61.0 -5.0 |
| 05:25 AM - 05:30 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 -9.6 |
| 05:30 AM - 05:35 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 -10.2 |
| 05:35 AM - 05:40 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 -10.0 |
| 05:40 AM - 05:45 AM | 56.9 | 61.5 | -4.6 | 7.0 | - | 52.9 | 61.0 -8.1 |
| 05:45 AM - 05:50 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 -9.4 |
| 05:50 AM - 05:55 AM | 55.9 | 61.5 | -5.6 | 7.0 | - | 51.9 | 61.0 -9.1 |
| 05:55 AM - 06:00 AM | 56.7 | 61.5 | -4.8 | 7.0 | - | 52.7 | 61.0 -8.3 |
| 06:00 AM - 07:00 AM | 58.8 | 63.9 | -5.1 | 7.0 | 51.8 | - | 63.2 -11.4 |
| 07:00 AM - 08:00 AM | 61.4 | 63.9 | -2.5 | 7.0 | 54.4 | - | 63.2 -8.8 |
| 08:00 AM - 09:00 AM | 62.7 | 63.9 | -1.2 | 7.0 | 55.7 | - | 63.2 -7.5 |
| ค่ามาตรฐาน | | | | | | | ≤ 10 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

หมายเหตุ

1. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดการคำนวณระดับเสียงรบกวนเฉลี่ยถ่วงน้ำหนักจากประเภทการปล่อยรบกวน พ.ศ. 2548
2. ประกาศกระทรวงการสาธารณสุข เรื่อง กำหนดการคำนวณระดับเสียงรบกวนเฉลี่ยถ่วงน้ำหนักจากประเภทการปล่อยรบกวน พ.ศ. 2550
3. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดการคำนวณระดับเสียงรบกวนเฉลี่ยถ่วงน้ำหนักจากประเภทการปล่อยรบกวน พ.ศ. 2550



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number: 2402096-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. : 2286957-7
Parameter : เสียงรบกวน
Location : East Fence (GPS 47P 0731864, 1438230)
Measurement Date : Aug 03 - 04, 2022
Measurement by : Satcha Phetsawaeng
Sound Level Meter : 00734225

| ระดับเสียง (dB(A)) | | | | | | | | | |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|-------------|----------|----------|
| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับ | การรบกวน |
| | | | | | กลางวัน | กลางคืน | | | |
| 09:00 AM - 10:00 AM | 63.4 | 63.9 | -0.5 | 7.0 | 56.4 | - | 63.2 | -6.8 | - |
| 10:00 AM - 11:00 AM | 63.3 | 63.9 | -0.6 | 7.0 | 56.3 | - | 63.2 | -6.9 | - |
| 11:00 AM - 12:00 PM | 66.5 | 63.9 | 2.6 | 3.0 | 63.5 | - | 63.2 | 0.3 | - |
| 12:00 PM - 01:00 PM | 66.8 | 63.9 | 2.9 | 3.0 | 63.8 | - | 63.2 | 0.6 | - |
| 01:00 PM - 02:00 PM | 67.6 | 63.9 | 3.7 | 2.0 | 65.6 | - | 63.2 | 2.4 | - |
| 02:00 PM - 03:00 PM | 66.8 | 63.9 | 2.9 | 3.0 | 63.8 | - | 63.2 | 0.6 | - |
| 03:00 PM - 04:00 PM | 67.7 | 63.9 | 3.8 | 2.0 | 65.7 | - | 63.2 | 2.5 | - |
| 04:00 PM - 05:00 PM | 66.5 | 63.9 | 2.6 | 3.0 | 63.5 | - | 63.2 | 0.3 | - |
| 05:00 PM - 06:00 PM | 62.6 | 63.9 | -1.3 | 7.0 | 55.6 | - | 63.2 | -7.6 | - |
| 06:00 PM - 07:00 PM | 65.7 | 63.9 | 1.8 | 4.5 | 61.2 | - | 63.2 | -2.0 | - |
| 07:00 PM - 08:00 PM | 64.0 | 63.9 | 0.1 | 7.0 | 57.0 | - | 63.2 | -6.2 | - |
| 08:00 PM - 09:00 PM | 65.5 | 63.9 | 1.6 | 4.5 | 61.0 | - | 63.2 | -2.2 | - |
| 09:00 PM - 10:00 PM | 64.3 | 63.9 | 0.4 | 7.0 | 57.3 | - | 63.2 | -5.9 | - |
| 10:00 PM - 10:55 PM | 63.4 | 63.5 | -0.1 | 4.5 | 58.9 | 61.0 | 61.0 | 0.9 | - |
| 10:55 PM - 10:10 PM | 63.5 | 61.5 | 2.0 | 4.5 | - | 62.0 | 61.0 | 1.0 | - |
| 10:10 PM - 10:15 PM | 63.8 | 61.5 | 2.3 | 4.5 | - | 62.3 | 61.0 | 1.3 | - |
| 10:15 PM - 10:20 PM | 64.2 | 61.5 | 2.7 | 3.0 | - | 64.2 | 61.0 | 3.2 | - |
| 10:20 PM - 10:25 PM | 64.2 | 61.5 | 2.7 | 3.0 | - | 64.2 | 61.0 | 3.2 | - |
| 10:25 PM - 10:30 PM | 64.1 | 61.5 | 2.6 | 3.0 | - | 64.1 | 61.0 | 3.1 | - |
| 10:30 PM - 10:35 PM | 64.3 | 61.5 | 2.8 | 3.0 | - | 64.3 | 61.0 | 3.3 | - |
| 10:35 PM - 10:40 PM | 63.7 | 61.5 | 2.2 | 4.5 | - | 62.2 | 61.0 | 1.2 | - |
| 10:40 PM - 10:45 PM | 63.4 | 61.5 | 1.9 | 4.5 | - | 62.3 | 61.0 | 1.3 | - |
| 10:45 PM - 10:50 PM | 63.2 | 61.5 | 1.7 | 4.5 | - | 61.7 | 61.0 | 0.7 | - |
| 10:50 PM - 10:55 PM | 63.1 | 61.5 | 1.6 | 4.5 | - | 61.6 | 61.0 | 0.6 | - |
| 10:55 PM - 11:00 PM | 63.0 | 61.5 | 1.5 | 4.5 | - | 61.5 | 61.0 | 0.5 | - |
| 11:00 PM - 11:05 PM | 62.7 | 61.5 | 1.2 | 7.0 | - | 58.7 | 61.0 | -2.3 | - |
| 11:05 PM - 11:10 PM | 62.8 | 61.5 | 1.3 | 7.0 | - | 58.8 | 61.0 | -2.2 | - |
| 11:10 PM - 11:15 PM | 62.1 | 61.5 | 0.6 | 7.0 | - | 58.1 | 61.0 | -2.9 | - |
| 11:15 PM - 11:20 PM | 62.5 | 61.5 | 1.0 | 7.0 | - | 58.5 | 61.0 | -2.5 | - |
| 11:20 PM - 11:25 PM | 61.9 | 61.5 | 0.4 | 7.0 | - | 57.9 | 61.0 | -3.1 | - |
| 11:25 PM - 11:30 PM | 57.0 | 61.5 | -4.5 | 7.0 | - | 53.0 | 61.0 | -8.0 | - |
| 11:30 PM - 11:35 PM | 57.5 | 61.5 | -4.0 | 7.0 | - | 53.5 | 61.0 | -7.5 | - |
| 11:35 PM - 11:40 PM | 56.0 | 61.5 | -5.5 | 7.0 | - | 52.0 | 61.0 | -9.0 | - |
| 11:40 PM - 11:45 PM | 56.1 | 61.5 | -5.4 | 7.0 | - | 52.1 | 61.0 | -8.9 | - |
| 11:45 PM - 11:50 PM | 56.4 | 61.5 | -5.1 | 7.0 | - | 52.4 | 61.0 | -8.6 | - |
| 11:50 PM - 11:55 PM | 56.0 | 61.5 | -5.5 | 7.0 | - | 52.0 | 61.0 | -9.0 | - |
| 11:55 PM - 12:00 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 | - |
| 12:00 AM - 12:05 AM | 56.0 | 61.5 | -5.5 | 7.0 | - | 52.0 | 61.0 | -9.0 | - |
| 12:05 AM - 12:10 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 | - |
| 12:10 AM - 12:15 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 | - |

The above results are valid only for the analyzed tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. A & C Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Dej Chongchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO. LTD. An ALS Limited Company

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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number: 2402096-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. : 2286957-7
Parameter : เสียงรบกวน
Location : East Fence (GPS 47P 0731864, 1438230)
Measurement Date : Aug 04 - 05, 2022
Measurement by : Satcha Phetsawaeng
Sound Level Meter : 00734225

| ระดับเสียง (dB(A)) | | | | | | | | | |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|-------------|----------|----------|
| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับ | การรบกวน |
| | | | | | กลางวัน | กลางคืน | | | |
| 03:35 AM - 03:40 AM | 55.8 | 61.5 | -5.7 | 7.0 | - | 51.8 | 61.0 | -9.2 | - |
| 03:40 AM - 03:45 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 | - |
| 03:45 AM - 03:50 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 | - |
| 03:50 AM - 03:55 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 | - |
| 03:55 AM - 04:00 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 | - |
| 04:00 AM - 04:05 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 | - |
| 04:05 AM - 04:10 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 | - |
| 04:10 AM - 04:15 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 | - |
| 04:15 AM - 04:20 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 | - |
| 04:20 AM - 04:25 AM | 56.2 | 61.5 | -5.3 | 7.0 | - | 52.2 | 61.0 | -8.8 | - |
| 04:25 AM - 04:30 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 | - |
| 04:30 AM - 04:35 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 | -10.0 | - |
| 04:35 AM - 04:40 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 | - |
| 04:40 AM - 04:45 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 | - |
| 04:45 AM - 04:50 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 | - |
| 04:50 AM - 04:55 AM | 56.2 | 61.5 | -5.3 | 7.0 | - | 52.2 | 61.0 | -8.8 | - |
| 04:55 AM - 05:00 AM | 56.2 | 61.5 | -5.3 | 7.0 | - | 52.2 | 61.0 | -8.8 | - |
| 05:00 AM - 05:05 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 | - |
| 05:05 AM - 05:10 AM | 58.0 | 61.5 | -3.5 | 7.0 | - | 54.0 | 61.0 | -7.0 | - |
| 05:10 AM - 05:15 AM | 56.5 | 61.5 | -5.0 | 7.0 | - | 52.5 | 61.0 | -8.5 | - |
| 05:15 AM - 05:20 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 | - |
| 05:20 AM - 05:25 AM | 60.5 | 61.5 | -1.0 | 7.0 | - | 56.5 | 61.0 | -4.5 | - |
| 05:25 AM - 05:30 AM | 56.2 | 61.5 | -5.3 | 7.0 | - | 52.2 | 61.0 | -8.8 | - |
| 05:30 AM - 05:35 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 | - |
| 05:35 AM - 05:40 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 | - |
| 05:40 AM - 05:45 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 | - |
| 05:45 AM - 05:50 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 | - |
| 05:50 AM - 05:55 AM | 55.5 | 61.5 | -6.0 | 7.0 | - | 51.5 | 61.0 | -9.5 | - |
| 05:55 AM - 06:00 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 | - |
| 06:00 AM - 07:00 AM | 57.2 | 63.9 | -6.7 | 7.0 | 50.2 | - | 63.2 | -13.0 | - |
| 07:00 AM - 08:00 AM | 61.6 | 63.9 | -2.3 | 7.0 | 54.6 | - | 63.2 | -7.6 | - |
| 08:00 AM - 09:00 AM | 62.6 | 63.9 | -1.3 | 7.0 | 55.6 | - | 63.2 | -7.6 | - |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เสียงจากอุปกรณ์การประกอบกิจการโรงงาน พ.ศ. 2548
 2. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดค่าระดับเสียงที่เสียงจากเครื่องจักรกล พ.ศ. 2550
 3. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดค่าระดับเสียงที่เสียงจากเครื่องจักรกล พ.ศ. 2550 และประกาศกระทรวงมหาดไทย เรื่อง กำหนดค่าระดับเสียงที่เสียงจากเครื่องจักรกล พ.ศ. 2551
 4. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนและระดับเสียงที่เสียงจากอุปกรณ์การประกอบกิจการโรงงาน พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ค่าการรบกวน 100-120 dB(A) ค่าการรบกวน 2550
ระดับเสียงที่ฐานและระดับเสียงที่เสียงจากแหล่งกำเนิด (EIA) พ.ศ. 2557 100-120 dB(A) ค่าการรบกวน 2557

The above results are valid only for the analyzed tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. A & C Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Dej Chongchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number: 2402096-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. : 2286957-7
Parameter : เสียงรบกวน
Location : East Fence (GPS 47P 0731864, 1438230)
Measurement Date : Aug 03 - 04, 2022
Measurement by : Satcha Phetsawaeng
Sound Level Meter : 00734225

| ระดับเสียง (dB(A)) | | | | | | | | |
|---------------------|---------------------|-----------------------|------------------|------------|-----------------------------------|---------|-------------|------------------|
| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิดกลางคืน | | เสียงที่ฐาน | ค่าระดับการรบกวน |
| | | | | | กลางวัน | กลางคืน | | |
| 12:15 AM - 12:20 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 |
| 12:20 AM - 12:25 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 12:25 AM - 12:30 AM | 55.9 | 61.5 | -5.6 | 7.0 | - | 51.9 | 61.0 | -9.1 |
| 12:30 AM - 12:35 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 12:35 AM - 12:40 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 12:40 AM - 12:45 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 12:45 AM - 12:50 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 12:50 AM - 12:55 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 12:55 AM - 01:00 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 | -10.0 |
| 01:00 AM - 01:05 AM | 55.9 | 61.5 | -5.6 | 7.0 | - | 51.9 | 61.0 | -9.1 |
| 01:05 AM - 01:10 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 | -10.0 |
| 01:10 AM - 01:15 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 01:15 AM - 01:20 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 01:20 AM - 01:25 AM | 55.9 | 61.5 | -5.6 | 7.0 | - | 51.9 | 61.0 | -9.1 |
| 01:25 AM - 01:30 AM | 55.5 | 61.5 | -6.0 | 7.0 | - | 51.5 | 61.0 | -9.5 |
| 01:30 AM - 01:35 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 |
| 01:35 AM - 01:40 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 01:40 AM - 01:45 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 01:45 AM - 01:50 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 |
| 01:50 AM - 01:55 AM | 56.1 | 61.5 | -5.4 | 7.0 | - | 52.1 | 61.0 | -8.9 |
| 01:55 AM - 02:00 AM | 55.9 | 61.5 | -5.6 | 7.0 | - | 51.9 | 61.0 | -9.1 |
| 02:00 AM - 02:05 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 |
| 02:05 AM - 02:10 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 02:10 AM - 02:15 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 | -10.0 |
| 02:15 AM - 02:20 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 02:20 AM - 02:25 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 02:25 AM - 02:30 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 02:30 AM - 02:35 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 02:35 AM - 02:40 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 |
| 02:40 AM - 02:45 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 |
| 02:45 AM - 02:50 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 02:50 AM - 02:55 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 02:55 AM - 03:00 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 03:00 AM - 03:05 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 |
| 03:05 AM - 03:10 AM | 56.1 | 61.5 | -5.4 | 7.0 | - | 52.1 | 61.0 | -8.9 |
| 03:10 AM - 03:15 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 03:15 AM - 03:20 AM | 55.8 | 61.5 | -5.7 | 7.0 | - | 51.8 | 61.0 | -9.2 |
| 03:20 AM - 03:25 AM | 55.8 | 61.5 | -5.7 | 7.0 | - | 51.8 | 61.0 | -9.2 |
| 03:25 AM - 03:30 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 03:30 AM - 03:35 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 226957-9
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number: 2402097-1

P/O :
Project Name :
Project Location : Glow SPP11, Plant 1

Page 2 of 3

Sample No. : 226957-9
Parameter : (เสียงรบกวน)
Location : East Fence (GPS 47P 0731864, 1438230)
Measurement Date : Aug 04 - 05, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 00734225

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 12:15 AM - 12:20 AM | 54.0 | 61.5 | -7.5 | 7.0 | - | 50.0 | 61.0 | -11.0 |
| 12:20 AM - 12:25 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 12:25 AM - 12:30 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 12:30 AM - 12:35 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 12:35 AM - 12:40 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 12:40 AM - 12:45 AM | 55.9 | 61.5 | -5.6 | 7.0 | - | 51.9 | 61.0 | -9.1 |
| 12:45 AM - 12:50 AM | 56.9 | 61.5 | -4.6 | 7.0 | - | 52.9 | 61.0 | -8.1 |
| 12:50 AM - 12:55 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 12:55 AM - 01:00 AM | 55.8 | 61.5 | -5.7 | 7.0 | - | 51.8 | 61.0 | -9.2 |
| 01:00 AM - 01:05 AM | 56.7 | 61.5 | -4.8 | 7.0 | - | 52.7 | 61.0 | -8.3 |
| 01:05 AM - 01:10 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 01:10 AM - 01:15 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 01:15 AM - 01:20 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 01:20 AM - 01:25 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 | -10.8 |
| 01:25 AM - 01:30 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 01:30 AM - 01:35 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 01:35 AM - 01:40 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 01:40 AM - 01:45 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 01:45 AM - 01:50 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 01:50 AM - 01:55 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 01:55 AM - 02:00 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 | -10.0 |
| 02:00 AM - 02:05 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 02:05 AM - 02:10 AM | 54.1 | 61.5 | -7.4 | 7.0 | - | 50.1 | 61.0 | -10.9 |
| 02:10 AM - 02:15 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 02:15 AM - 02:20 AM | 54.0 | 61.5 | -7.5 | 7.0 | - | 50.0 | 61.0 | -11.0 |
| 02:20 AM - 02:25 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 02:25 AM - 02:30 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 02:30 AM - 02:35 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 02:35 AM - 02:40 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 02:40 AM - 02:45 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 02:45 AM - 02:50 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 02:50 AM - 02:55 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 02:55 AM - 03:00 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 03:00 AM - 03:05 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 | -10.0 |
| 03:05 AM - 03:10 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 03:10 AM - 03:15 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 | -10.8 |
| 03:15 AM - 03:20 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 03:20 AM - 03:25 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 03:25 AM - 03:30 AM | 53.7 | 61.5 | -7.8 | 7.0 | - | 49.7 | 61.0 | -11.3 |
| 03:30 AM - 03:35 AM | 54.0 | 61.5 | -7.5 | 7.0 | - | 50.0 | 61.0 | -11.0 |

Approved by

Dej Changchong
Senior Manager

ADDRESS 616/10 Moo 5, T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand - PHONE +66 0 3304 8555 - FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 226957-9
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number: 2402098-1

P/O :
Project Name :
Project Location : Glow SPP11, Plant 1

Page 1 of 3

Sample No. : 226957-9
Parameter : (เสียงรบกวน)
Location : East Fence (GPS 47P 0731864, 1438230)
Measurement Date : Aug 05 - 06, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 00734225

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 09:00 AM - 09:05 AM | 58.9 | 63.9 | -5.0 | 7.0 | 51.9 | - | 63.2 | -11.3 |
| 09:05 AM - 09:10 AM | 61.2 | 63.9 | -2.7 | 7.0 | 54.2 | - | 63.2 | -9.0 |
| 09:10 AM - 09:15 AM | 62.5 | 63.9 | -1.4 | 7.0 | 55.5 | - | 63.2 | -7.7 |
| 09:15 AM - 09:20 AM | 63.3 | 63.9 | -0.6 | 7.0 | 56.3 | - | 63.2 | -6.9 |
| 09:20 AM - 09:25 AM | 62.4 | 63.9 | -1.5 | 7.0 | 55.4 | - | 63.2 | -7.8 |
| 09:25 AM - 09:30 AM | 61.9 | 63.9 | -2.0 | 7.0 | 54.9 | - | 63.2 | -8.3 |
| 09:30 AM - 09:35 AM | 65.2 | 63.9 | 1.3 | 7.0 | 58.2 | - | 63.2 | -5.0 |
| 09:35 AM - 09:40 AM | 62.8 | 63.9 | -1.1 | 7.0 | 55.8 | - | 63.2 | -7.4 |
| 09:40 AM - 09:45 AM | 62.8 | 63.9 | -1.1 | 7.0 | 55.8 | - | 63.2 | -7.4 |
| 09:45 AM - 09:50 AM | 61.6 | 63.9 | -2.3 | 7.0 | 54.6 | - | 63.2 | -8.6 |
| 09:50 AM - 09:55 AM | 62.7 | 63.9 | -1.2 | 7.0 | 55.7 | - | 63.2 | -7.5 |
| 09:55 AM - 10:00 AM | 62.3 | 63.9 | -1.6 | 7.0 | 55.3 | - | 63.2 | -7.9 |
| 10:00 AM - 10:05 AM | 60.4 | 63.9 | -3.5 | 7.0 | 53.4 | - | 63.2 | -9.8 |
| 10:05 AM - 10:10 AM | 58.0 | 63.9 | -5.9 | 7.0 | 54.0 | - | 63.2 | -12.2 |
| 10:10 AM - 10:15 AM | 58.7 | 63.9 | -5.2 | 7.0 | 54.7 | - | 63.2 | -11.5 |
| 10:15 AM - 10:20 AM | 56.0 | 63.9 | -7.9 | 7.0 | 52.0 | - | 63.2 | -13.2 |
| 10:20 AM - 10:25 AM | 57.4 | 63.9 | -6.5 | 7.0 | 53.4 | - | 63.2 | -12.8 |
| 10:25 AM - 10:30 AM | 55.2 | 63.9 | -8.7 | 7.0 | 51.2 | - | 63.2 | -15.0 |
| 10:30 AM - 10:35 AM | 55.9 | 63.9 | -8.0 | 7.0 | 51.9 | - | 63.2 | -14.3 |
| 10:35 AM - 10:40 AM | 54.9 | 63.9 | -9.0 | 7.0 | 50.9 | - | 63.2 | -15.3 |
| 10:40 AM - 10:45 AM | 56.9 | 63.9 | -7.0 | 7.0 | 52.9 | - | 63.2 | -13.3 |
| 10:45 AM - 10:50 AM | 55.1 | 63.9 | -8.8 | 7.0 | 51.1 | - | 63.2 | -15.1 |
| 10:50 AM - 10:55 AM | 55.6 | 63.9 | -8.3 | 7.0 | 51.6 | - | 63.2 | -14.6 |
| 10:55 AM - 11:00 AM | 55.8 | 63.9 | -8.1 | 7.0 | 51.8 | - | 63.2 | -14.4 |
| 11:00 AM - 11:05 AM | 54.4 | 63.9 | -9.5 | 7.0 | 50.4 | - | 63.2 | -15.8 |
| 11:05 AM - 11:10 AM | 55.0 | 63.9 | -8.9 | 7.0 | 51.0 | - | 63.2 | -15.2 |
| 11:10 AM - 11:15 AM | 55.2 | 63.9 | -8.7 | 7.0 | 51.2 | - | 63.2 | -15.0 |
| 11:15 AM - 11:20 AM | 54.6 | 63.9 | -9.3 | 7.0 | 50.6 | - | 63.2 | -15.6 |
| 11:20 AM - 11:25 AM | 55.1 | 63.9 | -8.8 | 7.0 | 51.1 | - | 63.2 | -15.1 |
| 11:25 AM - 11:30 AM | 55.2 | 63.9 | -8.7 | 7.0 | 51.2 | - | 63.2 | -15.0 |
| 11:30 AM - 11:35 AM | 55.9 | 63.9 | -8.0 | 7.0 | 51.9 | - | 63.2 | -14.3 |
| 11:35 AM - 11:40 AM | 55.7 | 63.9 | -8.2 | 7.0 | 51.7 | - | 63.2 | -14.5 |
| 11:40 AM - 11:45 AM | 55.3 | 63.9 | -8.6 | 7.0 | 51.3 | - | 63.2 | -14.9 |
| 11:45 AM - 11:50 AM | 56.0 | 63.9 | -7.9 | 7.0 | 52.0 | - | 63.2 | -14.2 |
| 11:50 AM - 11:55 AM | 55.9 | 63.9 | -8.0 | 7.0 | 51.9 | - | 63.2 | -14.3 |
| 11:55 AM - 12:00 AM | 54.8 | 63.9 | -9.1 | 7.0 | 50.8 | - | 63.2 | -15.4 |
| 12:00 AM - 12:05 AM | 54.7 | 63.9 | -9.2 | 7.0 | 50.7 | - | 63.2 | -15.5 |
| 12:05 AM - 12:10 AM | 56.0 | 63.9 | -7.9 | 7.0 | 52.0 | - | 63.2 | -14.2 |
| 12:10 AM - 12:15 AM | 56.2 | 63.9 | -7.7 | 7.0 | 52.2 | - | 63.2 | -14.0 |
| 12:15 AM - 12:20 AM | 55.3 | 63.9 | -8.6 | 7.0 | 51.3 | - | 63.2 | -14.9 |

Approved by

Dej Changchong
Senior Manager

ADDRESS 616/10 Moo 5, T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand - PHONE +66 0 3304 8555 - FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 226957-9
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number: 2402097-1

P/O :
Project Name :
Project Location : Glow SPP11, Plant 1

Page 3 of 3

Sample No. : 226957-9
Parameter : (เสียงรบกวน)
Location : East Fence (GPS 47P 0731864, 1438230)
Measurement Date : Aug 04 - 05, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 00734225

| ฐานเสียงเดิม (dB(A)) | | | | | | | | |
|----------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|------------------|
| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
| | | | | | ค่าจริง | ค่าปรับ | | |
| 03:35 AM - 03:40 AM | 54.1 | 61.5 | -7.4 | 7.0 | - | 50.1 | 61.0 | -10.9 |
| 03:40 AM - 03:45 AM | 53.9 | 61.5 | -7.6 | 7.0 | - | 49.9 | 61.0 | -11.1 |
| 03:45 AM - 03:50 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 03:50 AM - 03:55 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 03:55 AM - 04:00 AM | 54.1 | 61.5 | -7.4 | 7.0 | - | 50.1 | 61.0 | -10.9 |
| 04:00 AM - 04:05 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 04:05 AM - 04:10 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 04:10 AM - 04:15 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 04:15 AM - 04:20 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 04:20 AM - 04:25 AM | 56.0 | 61.5 | -5.5 | 7.0 | - | 52.0 | 61.0 | -9.0 |
| 04:25 AM - 04:30 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 04:30 AM - 04:35 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 |
| 04:35 AM - 04:40 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 04:40 AM - 04:45 AM | 55.9 | 61.5 | -5.6 | 7.0 | - | 51.9 | 61.0 | -9.1 |
| 04:45 AM - 04:50 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 04:50 AM - 04:55 AM | 56.6 | 61.5 | -4.9 | 7.0 | - | 52.6 | 61.0 | -8.4 |
| 04:55 AM - 05:00 AM | 57.1 | 61.5 | -4.4 | 7.0 | - | 53.1 | 61.0 | -7.9 |
| 05:00 AM - 05:05 AM | 56.5 | 61.5 | -5.0 | 7.0 | - | 52.5 | 61.0 | -8.5 |
| 05:05 AM - 05:10 AM | 56.4 | 61.5 | -5.1 | 7.0 | - | 52.4 | 61.0 | -8.6 |
| 05:10 AM - 05:15 AM | 56.5 | 61.5 | -5.0 | 7.0 | - | 52.5 | 61.0 | -8.5 |
| 05:15 AM - 05:20 AM | 57.1 | 61.5 | -4.4 | 7.0 | - | 53.1 | 61.0 | -7.9 |
| 05:20 AM - 05:25 AM | 60.0 | 61.5 | -1.5 | 7.0 | - | 56.0 | 61.0 | -5.0 |
| 05:25 AM - 05:30 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 05:30 AM - 05:35 AM | 56.1 | 61.5 | -5.4 | 7.0 | - | 52.1 | 61.0 | -8.9 |
| 05:35 AM - 05:40 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 |
| 05:40 AM - 05:45 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 05:45 AM - 05:50 AM | 56.1 | 61.5 | -5.4 | 7.0 | - | 52.1 | 61.0 | -8.9 |
| 05:50 AM - 05:55 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 | -10.0 |
| 05:55 AM - 06:00 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 06:00 AM - 07:00 AM | 56.8 | 63.9 | -7.1 | 7.0 | 49.8 | - | 63.2 | -13.4 |
| 07:00 AM - 08:00 AM | 60.6 | 63.9 | -3.3 | 7.0 | 53.6 | - | 63.2 | -6.6 |
| 08:00 AM - 09:00 AM | 63.7 | 63.9 | -0.2 | 7.0 | 56.7 | - | 63.2 | -4.5 |
| ค่าเฉลี่ยรวม | | | | | | | | ≤ 10 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. 2286957-9
Parameter เลื่อนกรง
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Aug 05 - 06, 2022
Measurement by Satcha Phetsawaeng
Sound Level Meter 00734225

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะวัดเสียง | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|------------------|--------|------------|----------------------------|----------------|-------------|------------------|
| | | | | | ทาบารีน | ทาบารีน (100%) | | |
| 03:35 AM - 03:40 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 03:40 AM - 03:45 AM | 57.4 | 61.5 | -4.1 | 7.0 | - | 53.4 | 61.0 | -7.6 |
| 03:45 AM - 03:50 AM | 54.1 | 61.5 | -7.4 | 7.0 | - | 50.1 | 61.0 | -10.9 |
| 03:50 AM - 03:55 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 03:55 AM - 04:00 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 | -10.8 |
| 04:00 AM - 04:05 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 04:05 AM - 04:10 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 04:10 AM - 04:15 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 04:15 AM - 04:20 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 04:20 AM - 04:25 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 04:25 AM - 04:30 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 04:30 AM - 04:35 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 |
| 04:35 AM - 04:40 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 04:40 AM - 04:45 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 04:45 AM - 04:50 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 | -10.0 |
| 04:50 AM - 04:55 AM | 56.9 | 61.5 | -4.6 | 7.0 | - | 52.9 | 61.0 | -8.1 |
| 04:55 AM - 05:00 AM | 58.3 | 61.5 | -3.2 | 7.0 | - | 54.3 | 61.0 | -6.7 |
| 05:00 AM - 05:05 AM | 57.3 | 61.5 | -4.2 | 7.0 | - | 53.3 | 61.0 | -7.7 |
| 05:05 AM - 05:10 AM | 61.3 | 61.5 | -0.2 | 7.0 | - | 57.3 | 61.0 | -3.7 |
| 05:10 AM - 05:15 AM | 60.2 | 61.5 | -1.3 | 7.0 | - | 56.2 | 61.0 | -4.8 |
| 05:15 AM - 05:20 AM | 58.0 | 61.5 | -3.5 | 7.0 | - | 54.0 | 61.0 | -7.0 |
| 05:20 AM - 05:25 AM | 59.7 | 61.5 | -1.8 | 7.0 | - | 55.7 | 61.0 | -5.3 |
| 05:25 AM - 05:30 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 |
| 05:30 AM - 05:35 AM | 55.5 | 61.5 | -6.0 | 7.0 | - | 51.5 | 61.0 | -9.5 |
| 05:35 AM - 05:40 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 05:40 AM - 05:45 AM | 55.8 | 61.5 | -5.7 | 7.0 | - | 51.8 | 61.0 | -9.2 |
| 05:45 AM - 05:50 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 05:50 AM - 05:55 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 05:55 AM - 06:00 AM | 56.0 | 61.5 | -5.5 | 7.0 | - | 52.0 | 61.0 | -9.0 |
| 06:00 AM - 07:00 AM | 56.2 | 63.9 | -7.7 | 7.0 | 49.2 | - | 63.2 | -14.0 |
| 07:00 AM - 08:00 AM | 60.1 | 63.9 | -3.8 | 7.0 | 53.1 | - | 63.2 | -7.2 |
| 08:00 AM - 09:00 AM | 63.0 | 63.9 | -0.9 | 7.0 | 56.0 | - | 63.2 | -7.2 |
| ค่ามาตรฐาน ≤ 10 | | | | | | | | |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงการรบกวนและระดับเสียงที่คาดการณ์การรบกวนจากการโรงงาน พ.ศ. 2548
 2. ประกาศกระทรวงมหาดไทย เรื่อง ค่าระดับเสียงรบกวน ฉบับที่ 29 พ.ศ. 2550
 3. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการวัดระดับเสียงรบกวน และระดับเสียงที่คาดการณ์การรบกวน และการประเมินผลกระทบระดับเสียงต่อสุขภาพของประชาชน การศึกษาการรบกวนและประเมินผลกระทบจากเสียงรบกวน พ.ศ. 2550 และประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการวัดระดับเสียงรบกวน และระดับเสียงที่คาดการณ์การรบกวน พ.ศ. 2553
 4. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงสำหรับสถานประกอบการประเภทที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ค่าการรบกวน วันที่ 02-03 สิงหาคม 2565

ระดับเสียงที่ฐานและระดับเสียงขณะวัดเสียงการรบกวน (ข้อมูลจากการศึกษาการรบกวนและผลกระทบจากเสียงรบกวน (EIA) พ.ศ. 2557 ที่ตรวจวัด 07-10 มีนาคม 2557)

The above results are valid only for the intended/limited scenario(s) as indicated in this report. No part of this report or any data herein may be reproduced in any form without written consent from the Laboratory. AALS Laboratory (Group) (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Dej Changchong
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phrakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. 2286957-10
Parameter เลื่อนกรง
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Aug 06 - 07, 2022
Measurement by Satcha Phetsawaeng
Sound Level Meter 00734225

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะวัดเสียง | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|------------------|--------|------------|----------------------------|----------------|-------------|------------------|
| | | | | | ทาบารีน | ทาบารีน (100%) | | |
| 12:15 AM - 12:20 AM | 56.6 | 61.5 | -4.9 | 7.0 | - | 52.6 | 61.0 | -8.4 |
| 12:20 AM - 12:25 AM | 57.1 | 61.5 | -4.4 | 7.0 | - | 53.1 | 61.0 | -7.9 |
| 12:25 AM - 12:30 AM | 58.6 | 61.5 | -2.9 | 7.0 | - | 54.6 | 61.0 | -6.4 |
| 12:30 AM - 12:35 AM | 57.2 | 61.5 | -4.3 | 7.0 | - | 53.2 | 61.0 | -7.8 |
| 12:35 AM - 12:40 AM | 57.3 | 61.5 | -4.2 | 7.0 | - | 53.3 | 61.0 | -7.7 |
| 12:40 AM - 12:45 AM | 57.6 | 61.5 | -3.9 | 7.0 | - | 53.6 | 61.0 | -7.4 |
| 12:45 AM - 12:50 AM | 57.4 | 61.5 | -4.1 | 7.0 | - | 53.4 | 61.0 | -7.6 |
| 12:50 AM - 12:55 AM | 61.8 | 61.5 | 0.3 | 7.0 | - | 57.8 | 61.0 | -3.2 |
| 12:55 AM - 01:00 AM | 69.4 | 61.5 | 7.9 | 0.5 | - | 71.9 | 61.0 | 10.9 |
| 01:00 AM - 01:05 AM | 56.0 | 61.5 | -5.5 | 7.0 | - | 52.0 | 61.0 | -9.0 |
| 01:05 AM - 01:10 AM | 56.1 | 61.5 | -5.4 | 7.0 | - | 52.1 | 61.0 | -8.9 |
| 01:10 AM - 01:15 AM | 56.1 | 61.5 | -5.4 | 7.0 | - | 52.1 | 61.0 | -8.9 |
| 01:15 AM - 01:20 AM | 56.0 | 61.5 | -5.5 | 7.0 | - | 52.0 | 61.0 | -9.0 |
| 01:20 AM - 01:25 AM | 56.4 | 61.5 | -5.1 | 7.0 | - | 52.4 | 61.0 | -8.6 |
| 01:25 AM - 01:30 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 01:30 AM - 01:35 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 01:35 AM - 01:40 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 01:40 AM - 01:45 AM | 55.5 | 61.5 | -6.0 | 7.0 | - | 51.5 | 61.0 | -9.5 |
| 01:45 AM - 01:50 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 01:50 AM - 01:55 AM | 55.5 | 61.5 | -6.0 | 7.0 | - | 51.5 | 61.0 | -9.5 |
| 01:55 AM - 02:00 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 |
| 02:00 AM - 02:05 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 |
| 02:05 AM - 02:10 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 |
| 02:10 AM - 02:15 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 |
| 02:15 AM - 02:20 AM | 55.5 | 61.5 | -6.0 | 7.0 | - | 51.5 | 61.0 | -9.5 |
| 02:20 AM - 02:25 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 |
| 02:25 AM - 02:30 AM | 55.5 | 61.5 | -6.0 | 7.0 | - | 51.5 | 61.0 | -9.5 |
| 02:30 AM - 02:35 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 02:35 AM - 02:40 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 02:40 AM - 02:45 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 02:45 AM - 02:50 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 | -10.0 |
| 02:50 AM - 02:55 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 02:55 AM - 03:00 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 03:00 AM - 03:05 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 03:05 AM - 03:10 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 03:10 AM - 03:15 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 03:15 AM - 03:20 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 03:20 AM - 03:25 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 03:25 AM - 03:30 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 03:30 AM - 03:35 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |

ค่ามาตรฐาน ≤ 10

หมายเหตุ

1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงการรบกวนและระดับเสียงที่คาดการณ์การรบกวนจากการโรงงาน พ.ศ. 2548

2. ประกาศกระทรวงมหาดไทย เรื่อง ค่าระดับเสียงรบกวน ฉบับที่ 29 พ.ศ. 2550

3. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการวัดระดับเสียงรบกวน และระดับเสียงที่คาดการณ์การรบกวน และการประเมินผลกระทบระดับเสียงต่อสุขภาพของประชาชน การศึกษาการรบกวนและประเมินผลกระทบจากเสียงรบกวน พ.ศ. 2550 และประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการวัดระดับเสียงรบกวน และระดับเสียงที่คาดการณ์การรบกวน พ.ศ. 2553

4. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงสำหรับสถานประกอบการประเภทที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ค่าการรบกวน วันที่ 02-03 สิงหาคม 2565

ระดับเสียงที่ฐานและระดับเสียงขณะวัดเสียงการรบกวน (ข้อมูลจากการศึกษาการรบกวนและผลกระทบจากเสียงรบกวน (EIA) พ.ศ. 2557 ที่ตรวจวัด 07-10 มีนาคม 2557)

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Approved by

Dej Changchong
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phrakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. 2286957-10
Parameter เลื่อนกรง
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Aug 06 - 07, 2022
Measurement by Satcha Phetsawaeng
Sound Level Meter 00734225

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะวัดเสียง | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|------------------|--------------------|------------|----------------------------|---------|-------------|------------------|
| | | | ผลต่าง | ตัวปรับค่า | ทาบารีน | ทาบารีน | | |
| 09:00 AM - 10:00 AM | 62.8 | 63.9 | -1.1 | 7.0 | 55.8 | - | 63.2 | -7.4 |
| 10:00 AM - 11:00 AM | 63.2 | 63.9 | -0.7 | 7.0 | 56.2 | - | 63.2 | -7.0 |
| 11:00 AM - 12:00 PM | 67.2 | 63.9 | 3.3 | 3.0 | 64.2 | - | 63.2 | -1.0 |
| 12:00 PM - 01:00 PM | 68.8 | 63.9 | 4.9 | 1.5 | 67.3 | - | 63.2 | 4.1 |
| 01:00 PM - 02:00 PM | 61.8 | 63.9 | -2.1 | 7.0 | 54.8 | - | 63.2 | -8.4 |
| 02:00 PM - 03:00 PM | 67.0 | 63.9 | 3.1 | 3.0 | 64.0 | - | 63.2 | 0.8 |
| 03:00 PM - 04:00 PM | 65.3 | 63.9 | 1.4 | 7.0 | 58.3 | - | 63.2 | -4.9 |
| 04:00 PM - 05:00 PM | 60.1 | 63.9 | -3.8 | 7.0 | 53.1 | - | 63.2 | -10.1 |
| 05:00 PM - 06:00 PM | 65.8 | 63.9 | 1.9 | 4.5 | 61.3 | - | 63.2 | -1.9 |
| 06:00 PM - 07:00 PM | 63.5 | 63.9 | -0.4 | 7.0 | 56.5 | - | 63.2 | -6.7 |
| 07:00 PM - 08:00 PM | 62.4 | 63.9 | -1.5 | 7.0 | 55.4 | - | 63.2 | -7.8 |
| 08:00 PM - 09:00 PM | 62.5 | 63.9 | -1.4 | 7.0 | 55.5 | - | 63.2 | -7.7 |
| 09:00 PM - 10:00 PM | 60.8 | 63.9 | -3.1 | 7.0 | 53.8 | - | 63.2 | -9.4 |
| 10:00 PM - 10:05 PM | 58.4 | 63.9 | -5.5 | 7.0 | - | 54.4 | 61.0 | -6.6 |
| 10:05 PM - 10:10 PM | 57.1 | 63.9 | -6.8 | 7.0 | - | 53.1 | 61.0 | -7.9 |
| 10:10 PM - 10:15 PM | 56.9 | 63.9 | -7.0 | 7.0 | - | 52.9 | 61.0 | -8.1 |
| 10:15 PM - 10:20 PM | 56.8 | 63.9 | -7.1 | 7.0 | - | 52.8 | 61.0 | -8.2 |
| 10:20 PM - 10:25 PM | 56.5 | 63.9 | -7.4 | 7.0 | - | 52.5 | 61.0 | -8.5 |
| 10:25 PM - 10:30 PM | 56.5 | 63.9 | -7.4 | 7.0 | - | 52.5 | 61.0 | -8.5 |
| 10:30 PM - 10:35 PM | 56.2 | 63.9 | -7.7 | 7.0 | - | 52.2 | 61.0 | -8.8 |
| 10:35 PM - 10:40 PM | 55.9 | 63.9 | -8.0 | 7.0 | - | 51.9 | 61.0 | -9.1 |
| 10:40 PM - 10:45 PM | 57.4 | 63.9 | -6.5 | 7.0 | - | 53.4 | 61.0 | -7.6 |
| 10:45 PM - 10:50 PM | 55.4 | 63.9 | -8.5 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 10:50 PM - 10:55 PM | 54.8 | 63.9 | -9.1 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 10:55 PM - 11:00 PM | 55.5 | 63.9 | -8.4 | 7.0 | - | 51.5 | 61.0 | -9.5 |
| 11:00 PM - 11:05 PM | 55.2 | 63.9 | -8.7 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 11:05 PM - 11:10 PM | 54.9 | 63.9 | -9.0 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 11:10 PM - 11:15 PM | 54.8 | 63.9 | -9.1 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 11:15 PM - 11:20 PM | 56.2 | 63.9 | -7.7 | 7.0 | - | 52.2 | 61.0 | -8.8 |
| 11:20 PM - 11:25 PM | 55.2 | 63.9 | -8.7 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 11:25 PM - 11:30 PM | 55.4 | 63.9 | -8.5 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 11:30 PM - 11:35 PM | 55.6 | 63.9 | -8.3 | 7.0 | - | 51.6 | 61.0 | -9.4 |
| 11:35 PM - 11:40 PM | 55.1 | 63.9 | -8.8 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 11:40 PM - 11:45 PM | 55.2 | 63.9 | -8.7 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 11:45 PM - 11:50 PM | 54.7 | 63.9 | -9.2 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 11:50 PM - 11:55 PM | 54.7 | 63.9 | -9.2 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 11:55 PM - 12:00 AM | 55.7 | 63.9 | -8.2 | 7.0 | - | 51.7 | 61.0 | -9.3 |
| 12:00 AM - 12:05 AM | 54.9 | 63.9 | -9.0 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 12:05 AM - 12:10 AM | 56.6 | 63.9 | -7.3 | 7.0 | - | 52.6 | 61.0 | -8.4 |
| 12:10 AM - 12:15 AM | 59.4 | 63.9 | -4.5 | 7.0 | - | 55.4 | 61.0 | -5.6 |



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyaphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. : 2286957-12
Parameter : เสียงรบกวน
Location : South Fence (GPS 47P 0731721, 1438047)
Measurement Date : Aug 09 - 04, 2022
Measurement by : Satcha Phetsawang
Sound Level Meter : 00734223

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|---------|----------------------------|---------|--------------|------------------|
| | | | ค่าจริง | ค่าปรับ | ค่าจริง | ค่าปรับ | | |
| 12:15 AM - 12:20 AM | 64.1 | 63.9 | 0.2 | 7.0 | - | 60.1 | 62.7 | -2.6 |
| 12:20 AM - 12:25 AM | 64.2 | 63.9 | 0.3 | 7.0 | - | 60.2 | 62.7 | -2.5 |
| 12:25 AM - 12:30 AM | 64.1 | 63.9 | 0.2 | 7.0 | - | 60.1 | 62.7 | -2.6 |
| 12:30 AM - 12:35 AM | 64.2 | 63.9 | 0.3 | 7.0 | - | 60.2 | 62.7 | -2.5 |
| 12:35 AM - 12:40 AM | 64.8 | 63.9 | 0.9 | 7.0 | - | 60.8 | 62.7 | -1.9 |
| 12:40 AM - 12:45 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.0 | 62.7 | -1.7 |
| 12:45 AM - 12:50 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.0 | 62.7 | -1.7 |
| 12:50 AM - 12:55 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.0 | 62.7 | -1.7 |
| 12:55 AM - 01:00 AM | 65.2 | 63.9 | 1.3 | 7.0 | - | 61.2 | 62.7 | -1.5 |
| 01:00 AM - 01:05 AM | 65.2 | 63.9 | 1.3 | 7.0 | - | 61.2 | 62.7 | -1.5 |
| 01:05 AM - 01:10 AM | 65.6 | 63.9 | 1.7 | 4.5 | - | 64.1 | 62.7 | 1.4 |
| 01:10 AM - 01:15 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 |
| 01:15 AM - 01:20 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 |
| 01:20 AM - 01:25 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 |
| 01:25 AM - 01:30 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 |
| 01:30 AM - 01:35 AM | 65.3 | 63.9 | 1.4 | 4.5 | - | 63.9 | 62.7 | 1.2 |
| 01:35 AM - 01:40 AM | 65.6 | 63.9 | 1.7 | 4.5 | - | 64.1 | 62.7 | 1.4 |
| 01:40 AM - 01:45 AM | 65.2 | 63.9 | 1.3 | 7.0 | - | 61.2 | 62.7 | -1.5 |
| 01:45 AM - 01:50 AM | 65.2 | 63.9 | 1.3 | 7.0 | - | 61.2 | 62.7 | -1.5 |
| 01:50 AM - 01:55 AM | 65.7 | 63.9 | 1.8 | 4.5 | - | 64.2 | 62.7 | 1.5 |
| 01:55 AM - 02:00 AM | 65.6 | 63.9 | 1.7 | 4.5 | - | 64.1 | 62.7 | 1.4 |
| 02:00 AM - 02:05 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.0 | 62.7 | -1.7 |
| 02:05 AM - 02:10 AM | 64.6 | 63.9 | 0.7 | 7.0 | - | 60.6 | 62.7 | -2.1 |
| 02:10 AM - 02:15 AM | 64.6 | 63.9 | 0.7 | 7.0 | - | 60.6 | 62.7 | -2.1 |
| 02:15 AM - 02:20 AM | 64.6 | 63.9 | 0.7 | 7.0 | - | 60.6 | 62.7 | -2.1 |
| 02:20 AM - 02:25 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 02:25 AM - 02:30 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 02:30 AM - 02:35 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.0 | 62.7 | -1.7 |
| 02:35 AM - 02:40 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 |
| 02:40 AM - 02:45 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 |
| 02:45 AM - 02:50 AM | 65.3 | 63.9 | 1.4 | 7.0 | - | 61.3 | 62.7 | -1.4 |
| 02:50 AM - 02:55 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 02:55 AM - 03:00 AM | 64.5 | 63.9 | 0.6 | 7.0 | - | 60.5 | 62.7 | -2.2 |
| 03:00 AM - 03:05 AM | 64.3 | 63.9 | 0.4 | 7.0 | - | 60.3 | 62.7 | -2.4 |
| 03:05 AM - 03:10 AM | 64.3 | 63.9 | 0.4 | 7.0 | - | 60.3 | 62.7 | -2.4 |
| 03:10 AM - 03:15 AM | 64.5 | 63.9 | 0.6 | 7.0 | - | 60.5 | 62.7 | -2.2 |
| 03:15 AM - 03:20 AM | 64.6 | 63.9 | 0.7 | 7.0 | - | 60.6 | 62.7 | -2.1 |
| 03:20 AM - 03:25 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 03:25 AM - 03:30 AM | 65.2 | 63.9 | 1.3 | 7.0 | - | 61.2 | 62.7 | -1.5 |
| 03:30 AM - 03:35 AM | 65.2 | 63.9 | 1.3 | 7.0 | - | 61.2 | 62.7 | -1.5 |

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Approved by

Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyaphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. : ##
Parameter : เสียงรบกวน
Location : South Fence (GPS 47P 0731721, 1438047)
Measurement Date : Aug 04 - 05, 2022
Measurement by : Satcha Phetsawang
Sound Level Meter : 00734223

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|---------|----------------------------|---------|--------------|------------------|
| | | | ค่าจริง | ค่าปรับ | ค่าจริง | ค่าปรับ | | |
| 09:00 AM - 10:00 AM | 66.0 | 64.2 | 1.8 | 4.5 | 61.5 | - | 62.4 | -0.9 |
| 10:00 AM - 11:00 AM | 66.0 | 64.2 | 1.8 | 4.5 | 61.5 | - | 62.4 | -0.9 |
| 11:00 AM - 12:00 PM | 65.8 | 64.2 | 1.6 | 4.5 | 61.3 | - | 62.4 | -1.1 |
| 12:00 PM - 01:00 PM | 65.5 | 64.2 | 1.3 | 7.0 | 58.5 | - | 62.4 | -3.9 |
| 01:00 PM - 02:00 PM | 66.0 | 63.9 | 2.1 | 4.5 | 61.5 | - | 62.4 | -0.9 |
| 02:00 PM - 03:00 PM | 65.4 | 64.2 | 1.2 | 7.0 | 58.4 | - | 62.4 | -4.0 |
| 03:00 PM - 04:00 PM | 65.4 | 64.2 | 1.2 | 7.0 | 58.4 | - | 62.4 | -4.0 |
| 04:00 PM - 05:00 PM | 65.0 | 64.2 | 0.8 | 7.0 | 58.0 | - | 62.4 | -4.4 |
| 05:00 PM - 06:00 PM | 65.2 | 64.2 | 1.0 | 7.0 | 58.2 | - | 62.4 | -4.2 |
| 06:00 PM - 07:00 PM | 65.6 | 64.2 | 1.4 | 7.0 | 58.6 | - | 62.4 | -3.8 |
| 07:00 PM - 08:00 PM | 65.2 | 64.2 | 1.0 | 7.0 | 58.2 | - | 62.4 | -4.2 |
| 08:00 PM - 09:00 PM | 65.7 | 64.2 | 1.5 | 4.5 | 61.2 | - | 62.4 | -1.2 |
| 09:00 PM - 10:00 PM | 66.1 | 63.9 | 2.2 | 4.5 | 61.6 | - | 62.4 | -0.8 |
| 10:00 PM - 10:05 PM | 65.6 | 63.9 | 1.7 | 4.5 | 61.1 | 62.7 | 1.4 | - |
| 10:05 PM - 10:10 PM | 65.7 | 63.9 | 1.8 | 4.5 | 61.2 | 62.7 | 1.5 | - |
| 10:10 PM - 10:15 PM | 66.0 | 63.9 | 2.1 | 4.5 | 61.5 | 62.7 | 1.8 | - |
| 10:15 PM - 10:20 PM | 66.4 | 63.9 | 2.5 | 3.0 | 66.4 | 62.7 | 3.7 | - |
| 10:20 PM - 10:25 PM | 66.4 | 63.9 | 2.5 | 3.0 | 66.4 | 62.7 | 3.7 | - |
| 10:25 PM - 10:30 PM | 66.6 | 63.9 | 2.7 | 3.0 | 66.6 | 62.7 | 3.9 | - |
| 10:30 PM - 10:35 PM | 66.3 | 63.9 | 2.4 | 4.5 | 66.3 | 62.7 | 2.1 | - |
| 10:35 PM - 10:40 PM | 66.7 | 63.9 | 2.8 | 3.0 | 66.7 | 62.7 | 4.0 | - |
| 10:40 PM - 10:45 PM | 65.9 | 63.9 | 2.0 | 4.5 | 64.4 | 62.7 | 1.7 | - |
| 10:45 PM - 10:50 PM | 66.2 | 63.9 | 2.3 | 4.5 | 64.7 | 62.7 | 2.0 | - |
| 10:50 PM - 10:55 PM | 65.8 | 63.9 | 1.9 | 4.5 | 64.3 | 62.7 | 1.6 | - |
| 10:55 PM - 11:00 PM | 65.9 | 63.9 | 2.0 | 4.5 | 64.4 | 62.7 | 1.7 | - |
| 11:00 PM - 11:05 PM | 65.8 | 63.9 | 1.9 | 4.5 | 64.3 | 62.7 | 1.6 | - |
| 11:05 PM - 11:10 PM | 65.6 | 63.9 | 1.7 | 4.5 | 64.1 | 62.7 | 1.4 | - |
| 11:10 PM - 11:15 PM | 65.7 | 63.9 | 1.8 | 4.5 | 64.2 | 62.7 | 1.5 | - |
| 11:15 PM - 11:20 PM | 65.7 | 63.9 | 1.8 | 4.5 | 64.2 | 62.7 | 1.5 | - |
| 11:20 PM - 11:25 PM | 66.2 | 63.9 | 2.3 | 4.5 | 64.7 | 62.7 | 2.0 | - |
| 11:25 PM - 11:30 PM | 66.3 | 63.9 | 2.4 | 4.5 | 64.8 | 62.7 | 2.1 | - |
| 11:30 PM - 11:35 PM | 65.9 | 63.9 | 2.0 | 4.5 | 64.4 | 62.7 | 1.7 | - |
| 11:35 PM - 11:40 PM | 65.9 | 63.9 | 2.0 | 4.5 | 64.4 | 62.7 | 1.7 | - |
| 11:40 PM - 11:45 PM | 65.8 | 63.9 | 1.9 | 4.5 | 64.3 | 62.7 | 1.6 | - |
| 11:45 PM - 11:50 PM | 65.4 | 63.9 | 1.5 | 4.5 | 63.9 | 62.7 | 1.2 | - |
| 11:50 PM - 11:55 PM | 65.6 | 63.9 | 1.7 | 4.5 | 64.1 | 62.7 | 1.4 | - |
| 11:55 PM - 12:00 AM | 65.4 | 63.9 | 1.5 | 4.5 | 63.9 | 62.7 | 1.2 | - |
| 12:00 AM - 12:05 AM | 64.2 | 63.9 | 0.3 | 7.0 | 60.2 | 62.7 | -2.5 | - |
| 12:05 AM - 12:10 AM | 64.0 | 63.9 | 0.1 | 7.0 | 60.0 | 62.7 | -2.7 | - |
| 12:10 AM - 12:15 AM | 64.0 | 63.9 | 0.1 | 7.0 | 60.0 | 62.7 | -2.7 | - |

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Approved by

Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyaphon, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. : 2286957-12
Parameter : เสียงรบกวน
Location : South Fence (GPS 47P 0731721, 1438047)
Measurement Date : Aug 09 - 04, 2022
Measurement by : Satcha Phetsawang
Sound Level Meter : 00734223

| ตารางเสียง (dB(A)) | | | | | | | | |
|---------------------|---------------------|-----------------------|-------------|------------|----------------------------|--------------|------------------|------|
| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลจากตัวรับ | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | เสียงพื้นฐาน | ค่าระดับการรบกวน | |
| 03:35 AM - 03:40 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | -1.2 |
| 03:40 AM - 03:45 AM | 65.3 | 63.9 | 1.4 | 7.0 | - | 61.3 | 62.7 | -1.4 |
| 03:45 AM - 03:50 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | -1.2 |
| 03:50 AM - 03:55 AM | 65.3 | 63.9 | 1.4 | 7.0 | - | 61.3 | 62.7 | -1.4 |
| 03:55 AM - 04:00 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | -1.2 |
| 04:00 AM - 04:05 AM | 65.3 | 63.9 | 1.4 | 7.0 | - | 61.3 | 62.7 | -1.4 |
| 04:05 AM - 04:10 AM | 65.8 | 63.9 | 1.9 | 4.5 | - | 64.3 | 62.7 | 1.6 |
| 04:10 AM - 04:15 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 |
| 04:15 AM - 04:20 AM | 65.7 | 63.9 | 1.8 | 4.5 | - | 64.2 | 62.7 | 1.5 |
| 04:20 AM - 04:25 AM | 65.3 | 63.9 | 1.4 | 7.0 | - | 61.3 | 62.7 | -1.4 |
| 04:25 AM - 04:30 AM | 65.3 | 63.9 | 1.4 | 7.0 | - | 61.3 | 62.7 | -1.4 |
| 04:30 AM - 04:35 AM | 66.0 | 63.9 | 2.1 | 4.5 | - | 64.5 | 62.7 | 1.8 |
| 04:35 AM - 04:40 AM | 65.1 | 63.9 | 1.2 | 7.0 | - | 61.1 | 62.7 | -1.6 |
| 04:40 AM - 04:45 AM | 65.1 | 63.9 | 1.2 | 7.0 | - | 61.1 | 62.7 | -1.6 |
| 04:45 AM - 04:50 AM | 64.8 | 63.9 | 0.9 | 7.0 | - | 60.8 | 62.7 | -1.9 |
| 04:50 AM - 04:55 AM | 64.8 | 63.9 | 0.9 | 7.0 | - | 60.8 | 62.7 | -1.9 |
| 04:55 AM - 05:00 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 05:00 AM - 05:05 AM | 64.8 | 63.9 | 0.9 | 7.0 | - | 60.8 | 62.7 | -1.9 |
| 05:05 AM - 05:10 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 05:10 AM - 05:15 AM | 65.3 | 63.9 | 1.4 | 7.0 | - | 61.3 | 62.7 | -1.4 |
| 05:15 AM - 05:20 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.2 |
| 05:20 AM - 05:25 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 |
| 05:25 AM - 05:30 AM | 66.0 | 63.9 | 2.1 | 4.5 | - | 64.5 | 62.7 | 1.8 |
| 05:30 AM - 05:35 AM | 66.0 | 63.9 | 2.1 | 4.5 | - | 64.5 | 62.7 | 1.8 |
| 05:35 AM - 05:40 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 |
| 05:40 AM - 05:45 AM | 66.8 | 63.9 | 2.9 | 3.0 | - | 66.8 | 62.7 | 4.1 |
| 05:45 AM - 05:50 AM | 65.7 | 63.9 | 1.8 | 4.5 | - | 64.2 | 62.7 | 1.5 |
| 05:50 AM - 05:55 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 |
| 05:55 AM - 06:00 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 |
| 06:00 AM - 07:00 AM | 65.5 | 64.2 | 1.3 | 7.0 | 58.5 | - | 62.4 | -3.9 |
| 07:00 AM - 08:00 AM | 65.1 | 64.2 | 0.9 | 7.0 | 58.1 | - | 62.4 | -4.3 |
| 08:00 AM - 09:00 AM | 66.2 | 64.2 | 2.0 | 4.5 | 61.7 | - | 62.4 | -0.7 |
| ค่าเฉลี่ย | | | | | | | | 5.0 |



Analysis / Test Report

TESTING
No.0042Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyaphong, A. Pluakdaeng, Rayong
Thailand 21140Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
##P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 3 of 3

Sample No. :
Parameter :
Location : South Fence (GPS 47P 0731721, 1438047)
Measurement Date : Aug 04 - 05, 2022
Measurement by : Satcha Phitsavang
Sound Level Meter : 00734223

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่าง | ค่าปรับ | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------|---------|----------------------------|---------|-------------|------------------|
| | | | | | กลางคืน | กลางวัน | | |
| 03:35 AM - 03:40 AM | 64.8 | 63.9 | 0.9 | 7.0 | - | 60.8 | 62.7 | -1.9 |
| 03:40 AM - 03:45 AM | 65.1 | 63.9 | 1.2 | 7.0 | - | 61.1 | 62.7 | -1.6 |
| 03:45 AM - 03:50 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.0 | 62.7 | -1.7 |
| 03:50 AM - 03:55 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 03:55 AM - 04:00 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 04:00 AM - 04:05 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 04:05 AM - 04:10 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 04:10 AM - 04:15 AM | 64.8 | 63.9 | 0.9 | 7.0 | - | 60.8 | 62.7 | -1.9 |
| 04:15 AM - 04:20 AM | 64.5 | 63.9 | 0.6 | 7.0 | - | 60.5 | 62.7 | -2.2 |
| 04:20 AM - 04:25 AM | 64.6 | 63.9 | 0.7 | 7.0 | - | 60.6 | 62.7 | -2.1 |
| 04:25 AM - 04:30 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 04:30 AM - 04:35 AM | 64.8 | 63.9 | 0.9 | 7.0 | - | 60.8 | 62.7 | -1.9 |
| 04:35 AM - 04:40 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 04:40 AM - 04:45 AM | 64.8 | 63.9 | 0.9 | 7.0 | - | 60.8 | 62.7 | -1.9 |
| 04:45 AM - 04:50 AM | 64.0 | 63.9 | 0.1 | 7.0 | - | 60.0 | 62.7 | -2.7 |
| 04:50 AM - 04:55 AM | 64.0 | 63.9 | 0.1 | 7.0 | - | 60.0 | 62.7 | -2.7 |
| 04:55 AM - 05:00 AM | 64.0 | 63.9 | 0.1 | 7.0 | - | 60.0 | 62.7 | -2.7 |
| 05:00 AM - 05:05 AM | 64.2 | 63.9 | 0.3 | 7.0 | - | 60.2 | 62.7 | -2.5 |
| 05:05 AM - 05:10 AM | 64.1 | 63.9 | 0.2 | 7.0 | - | 60.1 | 62.7 | -2.6 |
| 05:10 AM - 05:15 AM | 64.5 | 63.9 | 0.6 | 7.0 | - | 60.5 | 62.7 | -2.2 |
| 05:15 AM - 05:20 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 05:20 AM - 05:25 AM | 65.2 | 63.9 | 1.3 | 7.0 | - | 61.2 | 62.7 | -1.5 |
| 05:25 AM - 05:30 AM | 66.1 | 63.9 | 2.2 | 4.5 | - | 64.6 | 62.7 | 1.9 |
| 05:30 AM - 05:35 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 |
| 05:35 AM - 05:40 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 |
| 05:40 AM - 05:45 AM | 65.1 | 63.9 | 1.2 | 7.0 | - | 61.1 | 62.7 | -1.6 |
| 05:45 AM - 05:50 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 05:50 AM - 05:55 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 05:55 AM - 06:00 AM | 64.6 | 63.9 | 0.7 | 7.0 | - | 60.6 | 62.7 | -2.1 |
| 06:00 AM - 06:05 AM | 64.9 | 64.2 | 0.7 | 7.0 | 57.9 | - | 62.4 | -4.5 |
| 06:05 AM - 06:10 AM | 64.8 | 64.2 | 0.6 | 7.0 | 57.8 | - | 62.4 | -4.6 |
| 06:10 AM - 06:15 AM | 65.2 | 64.2 | 1.0 | 7.0 | 58.2 | - | 62.4 | -4.2 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ :
1. ผู้จัดทำผลการวัดเสียง : ทีมงานฝ่ายปฏิบัติการการวัดเสียงของ ALS Laboratory Group (Thailand) Co., Ltd. ม. 2548
 2. ผู้จัดทำผลการคำนวณผล : ทีมงานฝ่ายปฏิบัติการการวัดเสียงของ ALS Laboratory Group (Thailand) Co., Ltd. ม. 2550
 3. ผู้จัดทำผลการประเมินผล : ทีมงานฝ่ายปฏิบัติการการวัดเสียงของ ALS Laboratory Group (Thailand) Co., Ltd. ม. 2551
 4. ผู้จัดทำผลการรายงานผล : ทีมงานฝ่ายปฏิบัติการการวัดเสียงของ ALS Laboratory Group (Thailand) Co., Ltd. ม. 2551
- รายละเอียดของผลการวัด : การตรวจวัด ณ วันที่ 02-03 สิงหาคม 2565
รายละเอียดของผลการคำนวณ : การตรวจวัด ณ วันที่ 02-03 สิงหาคม 2565

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Approved by

Dej Changnon
Senior ManagerADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Companywww.alsglobal.com
RIGHT SOLUTIONS

Analysis / Test Report

TESTING
No.0042Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyaphong, A. Pluakdaeng, Rayong
Thailand 21140Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
##P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 2 of 3

Sample No. :
Parameter :
Location : South Fence (GPS 47P 0731721, 1438047)
Measurement Date : Aug 05 - 06, 2022
Measurement by : Satcha Phitsavang
Sound Level Meter : 00734223

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่าง | ค่าปรับ | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------|---------|----------------------------|---------|-------------|------------------|
| | | | | | กลางคืน | กลางวัน | | |
| 12:15 AM - 12:20 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 12:20 AM - 12:25 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 12:25 AM - 12:30 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.0 | 62.7 | -1.7 |
| 12:30 AM - 12:35 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 12:35 AM - 12:40 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 12:40 AM - 12:45 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 12:45 AM - 12:50 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.0 | 62.7 | -1.7 |
| 12:50 AM - 12:55 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 |
| 12:55 AM - 01:00 AM | 66.3 | 63.9 | 2.4 | 4.5 | - | 64.8 | 62.7 | 2.1 |
| 01:00 AM - 01:05 AM | 66.6 | 63.9 | 2.7 | 3.0 | - | 66.6 | 62.7 | 3.9 |
| 01:05 AM - 01:10 AM | 66.5 | 63.9 | 2.6 | 3.0 | - | 66.5 | 62.7 | 3.8 |
| 01:10 AM - 01:15 AM | 66.3 | 63.9 | 2.4 | 4.5 | - | 64.8 | 62.7 | 2.1 |
| 01:15 AM - 01:20 AM | 66.3 | 63.9 | 2.4 | 4.5 | - | 64.8 | 62.7 | 2.1 |
| 01:20 AM - 01:25 AM | 65.9 | 63.9 | 2.0 | 4.5 | - | 64.4 | 62.7 | 1.7 |
| 01:25 AM - 01:30 AM | 65.8 | 63.9 | 1.9 | 4.5 | - | 64.3 | 62.7 | 1.6 |
| 01:30 AM - 01:35 AM | 65.5 | 63.9 | 1.6 | 7.0 | - | 64.0 | 62.7 | 1.3 |
| 01:35 AM - 01:40 AM | 65.2 | 63.9 | 1.3 | 7.0 | - | 63.7 | 62.7 | -1.0 |
| 01:40 AM - 01:45 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 01:45 AM - 01:50 AM | 64.3 | 63.9 | 0.4 | 7.0 | - | 60.3 | 62.7 | -2.4 |
| 01:50 AM - 01:55 AM | 63.9 | 63.9 | 0.0 | 7.0 | - | 60.0 | 62.7 | -2.7 |
| 01:55 AM - 02:00 AM | 64.3 | 63.9 | 0.4 | 7.0 | - | 60.3 | 62.7 | -2.4 |
| 02:00 AM - 02:05 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.0 | 62.7 | -1.7 |
| 02:05 AM - 02:10 AM | 65.1 | 63.9 | 1.2 | 7.0 | - | 61.1 | 62.7 | -1.6 |
| 02:10 AM - 02:15 AM | 65.6 | 63.9 | 1.7 | 4.5 | - | 64.1 | 62.7 | 1.4 |
| 02:15 AM - 02:20 AM | 65.7 | 63.9 | 1.8 | 4.5 | - | 64.2 | 62.7 | 1.5 |
| 02:20 AM - 02:25 AM | 65.8 | 63.9 | 1.9 | 4.5 | - | 64.3 | 62.7 | 1.6 |
| 02:25 AM - 02:30 AM | 65.9 | 63.9 | 2.0 | 4.5 | - | 64.4 | 62.7 | 1.7 |
| 02:30 AM - 02:35 AM | 65.8 | 63.9 | 1.9 | 4.5 | - | 64.3 | 62.7 | 1.6 |
| 02:35 AM - 02:40 AM | 65.8 | 63.9 | 1.9 | 4.5 | - | 64.3 | 62.7 | 1.6 |
| 02:40 AM - 02:45 AM | 65.8 | 63.9 | 1.9 | 4.5 | - | 64.3 | 62.7 | 1.6 |
| 02:45 AM - 02:50 AM | 65.6 | 63.9 | 1.7 | 4.5 | - | 64.1 | 62.7 | 1.4 |
| 02:50 AM - 02:55 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 |
| 02:55 AM - 03:00 AM | 65.6 | 63.9 | 1.7 | 4.5 | - | 64.1 | 62.7 | 1.4 |
| 03:00 AM - 03:05 AM | 64.5 | 63.9 | 0.6 | 7.0 | - | 60.5 | 62.7 | -2.2 |
| 03:05 AM - 03:10 AM | 64.5 | 63.9 | 0.6 | 7.0 | - | 60.5 | 62.7 | -2.2 |
| 03:10 AM - 03:15 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 |
| 03:15 AM - 03:20 AM | 65.9 | 63.9 | 2.0 | 4.5 | - | 64.4 | 62.7 | 1.7 |
| 03:20 AM - 03:25 AM | 66.1 | 63.9 | 2.2 | 4.5 | - | 64.6 | 62.7 | 1.9 |
| 03:25 AM - 03:30 AM | 66.1 | 63.9 | 2.2 | 4.5 | - | 64.6 | 62.7 | 1.9 |
| 03:30 AM - 03:35 AM | 66.2 | 63.9 | 2.3 | 4.5 | - | 64.7 | 62.7 | 2.0 |

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Approved by

Dej Changnon
Senior ManagerADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Companywww.alsglobal.com
RIGHT SOLUTIONS

Analysis / Test Report

TESTING
No.0042Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyaphong, A. Pluakdaeng, Rayong
Thailand 21140Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
##P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 1 of 3

Sample No. :
Parameter :
Location : South Fence (GPS 47P 0731721, 1438047)
Measurement Date : Aug 05 - 06, 2022
Measurement by : Satcha Phitsavang
Sound Level Meter : 00734223

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับ | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|---------|----------------------------|---------|-------------|------------------|
| | | | | | กลางคืน | กลางวัน | | |
| 09:00 AM - 10:00 AM | 65.5 | 64.2 | 1.3 | 7.0 | 58.5 | - | 62.4 | -3.9 |
| 10:00 AM - 11:00 AM | 65.3 | 64.2 | 1.1 | 7.0 | 58.3 | - | 62.4 | -4.1 |
| 11:00 AM - 12:00 PM | 65.6 | 64.2 | 1.4 | 7.0 | 58.6 | - | 62.4 | -3.8 |
| 12:00 PM - 01:00 PM | 65.3 | 64.2 | 1.1 | 7.0 | 58.3 | - | 62.4 | -4.1 |
| 01:00 PM - 02:00 PM | 64.2 | 63.9 | 0.3 | 4.5 | 61.4 | - | 62.4 | -1.0 |
| 02:00 PM - 03:00 PM | 66.3 | 64.2 | 2.1 | 4.5 | 61.8 | - | 62.4 | -0.6 |
| 03:00 PM - 04:00 PM | 66.0 | 64.2 | 1.8 | 4.5 | 61.5 | - | 62.4 | -0.9 |
| 04:00 PM - 05:00 PM | 65.9 | 64.2 | 1.7 | 4.5 | 61.4 | - | 62.4 | -1.0 |
| 05:00 PM - 06:00 PM | 65.6 | 64.2 | 1.4 | 7.0 | 58.6 | - | 62.4 | -3.8 |
| 06:00 PM - 07:00 PM | 66.2 | 64.2 | 2.0 | 4.5 | 61.7 | - | 62.4 | -0.7 |
| 07:00 PM - 08:00 PM | 65.8 | 64.2 | 1.6 | 4.5 | 61.3 | - | 62.4 | -1.1 |
| 08:00 PM - 09:00 PM | 66.4 | 64.2 | 2.2 | 4.5 | 61.9 | - | 62.4 | -0.5 |
| 09:00 PM - 10:00 PM | 66.2 | 64.2 | 2.0 | 4.5 | 61.7 | - | 62.4 | -0.7 |
| 10:00 PM - 10:05 PM | 65.6 | 63.9 | 1.7 | 4.5 | - | 64.1 | 62.7 | 1.4 |
| 10:05 PM - 10:10 PM | 65.6 | 63.9 | 1.7 | 4.5 | - | 64.1 | 62.7 | 1.4 |
| 10:10 PM - 10:15 PM | 65.9 | 63.9 | 2.0 | 4.5 | - | 64.4 | 62.7 | 1.7 |
| 10:15 PM - 10:20 PM | 66.3 | 63.9 | 2.4 | 4.5 | - | 64.8 | 62.7 | 2.1 |
| 10:20 PM - 10:25 PM | 66.4 | 63.9 | 2.5 | 3.0 | - | 66.4 | 62.7 | 3.7 |
| 10:25 PM - 10:30 PM | 66.4 | 63.9 | 2.5 | 3.0 | - | 66.4 | 62.7 | 3.7 |
| 10:30 PM - 10:35 PM | 66.4 | 63.9 | 2.5 | 3.0 | - | 66.4 | 62.7 | 3.7 |
| 10:35 PM - 10:40 PM | 66.3 | 63.9 | 2.4 | 4.5 | - | 64.8 | 62.7 | 2.1 |
| 10:40 PM - 10:45 PM | 66.1 | 63.9 | 2.2 | 4.5 | - | 64.6 | 62.7 | 1.9 |
| 10:45 PM - 10:50 PM | 66.3 | 63.9 | 2.4 | 4.5 | - | 64.8 | 62.7 | 2.1 |
| 10:50 PM - 10:55 PM | 66.2 | 63.9 | 2.3 | 4.5 | - | 64.7 | 62.7 | 2.0 |
| 10:55 PM - 11:00 PM | 66.3 | 63.9 | 2.4 | 4.5 | - | 64.8 | 62.7 | 2.1 |
| 11:00 PM - 11:05 PM | 66.3 | 63.9 | 2.4 | 4.5 | - | 64.8 | 62.7 | 2.1 |
| 11:05 PM - 11:10 PM | 66.2 | 63.9 | 2.3 | 4.5 | - | 64.7 | 62.7 | 2.0 |
| 11:10 PM - 11:15 PM | 66.2 | 63.9 | 2.3 | 4.5 | - | 64.7 | 62.7 | 2.0 |
| 11:15 PM - 11:20 PM | 66.1 | 63.9 | 2.2 | 4.5 | - | 64.6 | 62.7 | 1.9 |
| 11:20 PM - 11:25 PM | 65.9 | 63.9 | 2.0 | 4.5 | - | 64.4 | 62.7 | 1.7 |
| 11:25 PM - 11:30 PM | 65.9 | 63.9 | 2.0 | 4.5 | - | 64.4 | 62.7 | 1.7 |
| 11:30 PM - 11:35 PM | 66.0 | 63.9 | 2.1 | 4.5 | - | 64.5 | 62.7 | 1.8 |
| 11:35 PM - 11:40 PM | 66.0 | 63.9 | 2.1 | 4.5 | - | 64.5 | 62.7 | 1.8 |
| 11:40 PM - 11:45 PM | 66.1 | 63.9 | 2.2 | 4.5 | - | 64.6 | 62.7 | 1.9 |
| 11:45 PM - 11:50 PM | 66.1 | 63.9 | 2.2 | 4.5 | - | 64.6 | 62.7 | 1.9 |
| 11:50 PM - 11:55 PM | 66.1 | 63.9 | 2.2 | 4.5 | - | 64.6 | 62.7 | 1.9 |
| 11:55 PM - 12:00 AM | 66.1 | 63.9 | 2.2 | 4.5 | - | 64.6 | 62.7 | 1.9 |
| 12:00 AM - 12:05 AM | 65.6 | 63.9 | 1.7 | 4.5 | - | 64.1 | 62.7 | 1.4 |
| 12:05 AM - 12:10 AM | 65.6 | 63.9 | 1.7 | 4.5 | - | 64.1 | 62.7 | 1.4 |
| 12:10 AM - 12:15 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 63.0 | 62.7 | -1.7 |

ALS Analysis / Test Report TESTING No.0042 Client : Glow SPP 11 Co., Ltd. Lot ID: 2266957 Date Received : Aug 09, 2022 Date Reported : Aug 11, 2022 P/O : Project Name : Project Location : Sample No. : Parameter : Location : Measurement Date : Measurement by : Sound Level Meter : 60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong Thailand 21140

| ระดับเสียง (dB(A)) | | | | | | | | | |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|------------------|--------|
| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน | ค่ารวม |
| | | | | | กลางวัน | กลางคืน | | | |
| 09:00 AM - 10:00 AM | 65.6 | 64.2 | 1.4 | 7.0 | 58.6 | - | 62.4 | -3.8 | - |
| 10:00 AM - 11:00 AM | 65.6 | 64.2 | 1.4 | 7.0 | 58.6 | - | 62.4 | -3.8 | - |
| 11:00 AM - 12:00 PM | 65.7 | 64.2 | 1.5 | 4.5 | 61.2 | - | 62.4 | -1.2 | - |
| 12:00 PM - 01:00 PM | 64.3 | 64.2 | 0.1 | 7.0 | 57.3 | - | 62.4 | -5.1 | - |
| 01:00 PM - 02:00 PM | 65.9 | 64.2 | 1.7 | 4.5 | 61.4 | - | 62.4 | -1.0 | - |
| 02:00 PM - 03:00 PM | 65.7 | 64.2 | 1.5 | 4.5 | 61.2 | - | 62.4 | -1.2 | - |
| 03:00 PM - 04:00 PM | 66.0 | 64.2 | 1.8 | 4.5 | 61.5 | - | 62.4 | -0.9 | - |
| 04:00 PM - 05:00 PM | 66.2 | 64.2 | 2.0 | 4.5 | 61.7 | - | 62.4 | -0.7 | - |
| 05:00 PM - 06:00 PM | 66.9 | 64.2 | 2.7 | 3.0 | 63.9 | - | 62.4 | 1.5 | - |
| 06:00 PM - 07:00 PM | 66.8 | 64.2 | 2.6 | 3.0 | 63.8 | - | 62.4 | 1.4 | - |
| 07:00 PM - 08:00 PM | 65.8 | 64.2 | 1.6 | 4.5 | 61.3 | - | 62.4 | -1.1 | - |
| 08:00 PM - 09:00 PM | 66.0 | 64.2 | 1.8 | 4.5 | 61.5 | - | 62.4 | -0.9 | - |
| 09:00 PM - 10:00 PM | 66.4 | 64.2 | 2.2 | 4.5 | 61.9 | - | 62.4 | -0.5 | - |
| 10:00 PM - 10:59 PM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |
| 10:59 PM - 10:00 PM | 65.9 | 63.9 | 2.0 | 4.5 | - | 64.4 | 62.7 | 1.7 | - |
| 10:00 PM - 10:59 PM | 66.2 | 63.9 | 2.3 | 4.5 | - | 64.7 | 62.7 | 2.0 | - |
| 10:59 PM - 10:00 PM | 66.5 | 63.9 | 2.6 | 3.0 | - | 65.5 | 62.7 | 2.8 | - |
| 10:00 PM - 10:59 PM | 66.3 | 63.9 | 2.4 | 4.5 | - | 64.8 | 62.7 | 2.1 | - |
| 10:59 PM - 10:00 PM | 66.5 | 63.9 | 2.6 | 3.0 | - | 65.5 | 62.7 | 2.8 | - |
| 10:00 PM - 10:59 PM | 66.7 | 63.9 | 2.8 | 3.0 | - | 66.7 | 62.7 | 4.0 | - |
| 10:59 PM - 10:00 PM | 67.1 | 63.9 | 3.2 | 3.0 | - | 67.1 | 62.7 | 4.4 | - |
| 10:00 PM - 10:59 PM | 66.8 | 63.9 | 2.9 | 3.0 | - | 66.8 | 62.7 | 4.1 | - |
| 10:59 PM - 10:00 PM | 66.7 | 63.9 | 2.8 | 3.0 | - | 66.7 | 62.7 | 4.0 | - |
| 10:00 PM - 10:59 PM | 66.9 | 63.9 | 3.0 | 3.0 | - | 66.9 | 62.7 | 4.2 | - |
| 10:59 PM - 10:00 PM | 66.8 | 63.9 | 2.9 | 3.0 | - | 66.8 | 62.7 | 4.1 | - |
| 11:00 PM - 11:59 PM | 66.7 | 63.9 | 2.8 | 3.0 | - | 66.7 | 62.7 | 4.0 | - |
| 11:59 PM - 11:00 PM | 66.7 | 63.9 | 2.8 | 3.0 | - | 66.7 | 62.7 | 4.0 | - |
| 11:00 PM - 11:59 PM | 66.9 | 63.9 | 3.0 | 3.0 | - | 66.9 | 62.7 | 4.2 | - |
| 11:59 PM - 11:00 PM | 66.7 | 63.9 | 2.8 | 3.0 | - | 66.7 | 62.7 | 4.0 | - |
| 11:00 PM - 11:59 PM | 66.9 | 63.9 | 3.0 | 3.0 | - | 66.9 | 62.7 | 4.2 | - |
| 11:59 PM - 11:00 PM | 66.7 | 63.9 | 2.8 | 3.0 | - | 66.7 | 62.7 | 4.0 | - |
| 11:00 PM - 11:59 PM | 66.3 | 63.9 | 2.4 | 4.5 | - | 64.8 | 62.7 | 2.1 | - |
| 11:59 PM - 11:00 PM | 66.3 | 63.9 | 2.4 | 4.5 | - | 64.8 | 62.7 | 2.1 | - |
| 11:00 PM - 11:59 PM | 66.6 | 63.9 | 2.7 | 3.0 | - | 66.6 | 62.7 | 3.9 | - |
| 11:59 PM - 11:00 PM | 66.2 | 63.9 | 2.3 | 4.5 | - | 64.7 | 62.7 | 2.0 | - |
| 12:00 AM - 12:05 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |
| 12:05 AM - 12:10 AM | 65.7 | 63.9 | 1.8 | 4.5 | - | 64.2 | 62.7 | 1.5 | - |
| 12:10 AM - 12:15 AM | 66.3 | 63.9 | 2.4 | 4.5 | - | 64.8 | 62.7 | 2.1 | - |

Approved by: Dej Changdon Senior Manager

ALS Analysis / Test Report TESTING No.0042 Client : Glow SPP 11 Co., Ltd. Lot ID: 2266957 Date Received : Aug 09, 2022 Date Reported : Aug 11, 2022 P/O : Project Name : Project Location : Sample No. : Parameter : Location : Measurement Date : Measurement by : Sound Level Meter : 60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong Thailand 21140

| ระดับเสียง (dB(A)) | | | | | | | | | |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|------------------|--------|
| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน | ค่ารวม |
| | | | | | กลางวัน | กลางคืน | | | |
| 12:15 AM - 12:20 AM | 66.3 | 63.9 | 2.4 | 4.5 | - | 64.8 | 62.7 | 2.1 | - |
| 12:20 AM - 12:25 AM | 65.8 | 63.9 | 1.9 | 4.5 | - | 64.3 | 62.7 | 1.6 | - |
| 12:25 AM - 12:30 AM | 65.6 | 63.9 | 1.7 | 4.5 | - | 64.1 | 62.7 | 1.4 | - |
| 12:30 AM - 12:35 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 | - |
| 12:35 AM - 12:40 AM | 64.5 | 63.9 | 0.6 | 7.0 | - | 60.5 | 62.7 | -2.2 | - |
| 12:40 AM - 12:45 AM | 64.5 | 63.9 | 0.6 | 7.0 | - | 60.5 | 62.7 | -2.2 | - |
| 12:45 AM - 12:50 AM | 64.4 | 63.9 | 0.5 | 7.0 | - | 60.4 | 62.7 | -2.3 | - |
| 12:50 AM - 12:55 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 | - |
| 12:55 AM - 01:00 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |
| 01:00 AM - 01:05 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |
| 01:05 AM - 01:10 AM | 65.6 | 63.9 | 1.7 | 4.5 | - | 64.1 | 62.7 | 1.4 | - |
| 01:10 AM - 01:15 AM | 65.7 | 63.9 | 1.8 | 4.5 | - | 64.2 | 62.7 | 1.5 | - |
| 01:15 AM - 01:20 AM | 65.7 | 63.9 | 1.8 | 4.5 | - | 64.2 | 62.7 | 1.5 | - |
| 01:20 AM - 01:25 AM | 65.7 | 63.9 | 1.8 | 4.5 | - | 64.2 | 62.7 | 1.5 | - |
| 01:25 AM - 01:30 AM | 66.0 | 63.9 | 2.1 | 4.5 | - | 64.5 | 62.7 | 1.8 | - |
| 01:30 AM - 01:35 AM | 66.1 | 63.9 | 2.2 | 4.5 | - | 64.6 | 62.7 | 1.9 | - |
| 01:35 AM - 01:40 AM | 66.0 | 63.9 | 2.1 | 4.5 | - | 64.5 | 62.7 | 1.8 | - |
| 01:40 AM - 01:45 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |
| 01:45 AM - 01:50 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |
| 01:50 AM - 01:55 AM | 65.9 | 63.9 | 2.0 | 4.5 | - | 64.4 | 62.7 | 1.7 | - |
| 01:55 AM - 02:00 AM | 65.9 | 63.9 | 2.0 | 4.5 | - | 64.4 | 62.7 | 1.7 | - |
| 02:00 AM - 02:05 AM | 65.9 | 63.9 | 2.0 | 4.5 | - | 64.4 | 62.7 | 1.7 | - |
| 02:05 AM - 02:10 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 | - |
| 02:10 AM - 02:15 AM | 66.1 | 63.9 | 2.2 | 4.5 | - | 64.6 | 62.7 | 1.9 | - |
| 02:15 AM - 02:20 AM | 66.0 | 63.9 | 2.1 | 4.5 | - | 64.5 | 62.7 | 1.8 | - |
| 02:20 AM - 02:25 AM | 65.8 | 63.9 | 1.9 | 4.5 | - | 64.3 | 62.7 | 1.6 | - |
| 02:25 AM - 02:30 AM | 65.8 | 63.9 | 1.9 | 4.5 | - | 64.3 | 62.7 | 1.6 | - |
| 02:30 AM - 02:35 AM | 65.9 | 63.9 | 2.0 | 4.5 | - | 64.4 | 62.7 | 1.7 | - |
| 02:35 AM - 02:40 AM | 65.9 | 63.9 | 2.0 | 4.5 | - | 64.4 | 62.7 | 1.7 | - |
| 02:40 AM - 02:45 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |
| 02:45 AM - 02:50 AM | 64.0 | 63.9 | 0.1 | 7.0 | - | 61.2 | 62.7 | -1.5 | - |
| 02:50 AM - 02:55 AM | 65.2 | 63.9 | 1.3 | 7.0 | - | 61.2 | 62.7 | -1.5 | - |
| 02:55 AM - 03:00 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |
| 03:00 AM - 03:05 AM | 65.3 | 63.9 | 1.4 | 7.0 | - | 61.3 | 62.7 | -1.4 | - |
| 03:05 AM - 03:10 AM | 65.8 | 63.9 | 1.9 | 7.0 | - | 61.8 | 62.7 | -0.9 | - |
| 03:10 AM - 03:15 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.0 | 62.7 | -1.7 | - |
| 03:15 AM - 03:20 AM | 65.3 | 63.9 | 1.4 | 7.0 | - | 61.3 | 62.7 | -1.4 | - |
| 03:20 AM - 03:25 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |
| 03:25 AM - 03:30 AM | 65.9 | 63.9 | 2.0 | 4.5 | - | 64.4 | 62.7 | 1.7 | - |
| 03:30 AM - 03:35 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |

Approved by: Dej Changdon Senior Manager

ALS Analysis / Test Report TESTING No.0042 Client : Glow SPP 11 Co., Ltd. Lot ID: 2266957 Date Received : Aug 09, 2022 Date Reported : Aug 11, 2022 P/O : Project Name : Project Location : Sample No. : Parameter : Location : Measurement Date : Measurement by : Sound Level Meter : 60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong Thailand 21140

| ระดับเสียง (dB(A)) | | | | | | | | | |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|------------------|--------|
| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน | ค่ารวม |
| | | | | | กลางวัน | กลางคืน | | | |
| 03:35 AM - 03:40 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |
| 03:40 AM - 03:45 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |
| 03:45 AM - 03:50 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 | - |
| 03:50 AM - 03:55 AM | 65.3 | 63.9 | 1.4 | 7.0 | - | 61.3 | 62.7 | -1.4 | - |
| 03:55 AM - 04:00 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 | - |
| 04:00 AM - 04:05 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 | - |
| 04:05 AM - 04:10 AM | 65.3 | 63.9 | 1.4 | 7.0 | - | 61.3 | 62.7 | -1.4 | - |
| 04:10 AM - 04:15 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 | - |
| 04:15 AM - 04:20 AM | 65.4 | 63.9 | 1.5 | 4.5 | - | 63.9 | 62.7 | 1.2 | - |
| 04:20 AM - 04:25 AM | 65.8 | 63.9 | 1.9 | 4.5 | - | 64.3 | 62.7 | 1.6 | - |
| 04:25 AM - 04:30 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |
| 04:30 AM - 04:35 AM | 65.2 | 63.9 | 1.3 | 7.0 | - | 61.2 | 62.7 | -1.5 | - |
| 04:35 AM - 04:40 AM | 65.1 | 63.9 | 1.2 | 7.0 | - | 61.1 | 62.7 | -1.6 | - |
| 04:40 AM - 04:45 AM | 65.2 | 63.9 | 1.3 | 7.0 | - | 61.2 | 62.7 | -1.5 | - |
| 04:45 AM - 04:50 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 | - |
| 04:50 AM - 04:55 AM | 64.6 | 63.9 | 0.7 | 7.0 | - | 60.6 | 62.7 | -2.1 | - |
| 04:55 AM - 05:00 AM | 64.6 | 63.9 | 0.7 | 7.0 | - | 60.6 | 62.7 | -2.1 | - |
| 05:00 AM - 05:05 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 | - |
| 05:05 AM - 05:10 AM | 64.8 | 63.9 | 0.9 | 7.0 | - | 60.8 | 62.7 | -1.9 | - |
| 05:10 AM - 05:15 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 | - |
| 05:15 AM - 05:20 AM | 65.1 | 63.9 | 1.2 | 7.0 | - | 61.1 | 62.7 | -1.6 | - |
| 05:20 AM - 05:25 AM | 65.1 | 63.9 | 1.2 | 7.0 | - | 61.1 | 62.7 | -1.6 | - |
| 05:25 AM - 05:30 AM | 65.5 | 63.9 | 1.6 | 4.5 | - | 64.0 | 62.7 | 1.3 | - |
| 05:30 AM - 05:35 AM | 65.8 | 63.9 | 1.9 | 4.5 | - | 64.3 | 62.7 | 1.6 | - |
| 05:35 AM - 05:40 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.3 | 62.7 | -1.4 | - |
| 05:40 AM - 05:45 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 | - |
| 05:45 AM - 05:50 AM | 65.2 | 63.9 | 1.3 | 7.0 | - | 61.2 | 62.7 | -1.5 | - |
| 05:50 AM - 05:55 AM | 65.1 | 63.9 | 1.2 | 7.0 | - | 61.1 | 62.7 | -1.6 | - |
| 05:55 AM - 06:00 AM | 65.1 | 63.9 | 1.2 | 7.0 | - | 61.1 | 62.7 | -1.6 | - |
| 06:00 AM - 07:00 AM | 65.1 | 64.2 | 0.9 | 7.0 | 58.1 | - | 62.4 | -4.3 | - |
| 07:00 AM - 08:00 AM | 64.3 | 64.2 | 0.1 | 7.0 | 57.3 | - | 62.4 | -5.1 | - |
| 08:00 AM - 09:00 AM | 64.8 | 64.2 | 0.6 | 7.0 | 57.8 | - | 62.4 | -4.6 | - |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

ALS Analysis / Test Report TESTING No.0042 Client : Glow SPP 11 Co., Ltd. Lot ID: 2266957 Date Received : Aug 09, 2022 Date Reported : Aug 11, 2022 P/O : Project Name : Project Location : Sample No. : Parameter : Location : Measurement Date : Measurement by : Sound Level Meter : 60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong Thailand 21140



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyaphon, A. Phukdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number : 2402105-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 2 of 3

Sample No. 2286957-16
Parameter เลื่อนกรวน
Location West Fence (GPS 47P 0731650, 1438138)
Measurement Date Aug 02 - 03, 2022
Measurement by Satcha Phetsaewang
Sound Level Meter 01222724

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวน | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|------------|--------|------------|----------------------------|---------|-------------|------------------|
| | | | | | กลางคืน | กลางวัน | | |
| 12:15 AM - 12:30 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 12:30 AM - 12:45 AM | 62.1 | 61.9 | 0.2 | 7.0 | - | 58.1 | 61.5 | -3.4 |
| 12:45 AM - 12:55 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 12:55 AM - 1:10 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.2 | 61.5 | -3.3 |
| 1:10 AM - 1:20 AM | 62.1 | 61.9 | 0.2 | 7.0 | - | 58.1 | 61.5 | -3.4 |
| 1:20 AM - 1:45 AM | 63.0 | 61.9 | 1.1 | 7.0 | - | 59.0 | 61.5 | -2.5 |
| 1:45 AM - 1:50 AM | 62.9 | 61.9 | 1.0 | 7.0 | - | 58.9 | 61.5 | -2.6 |
| 1:50 AM - 1:55 AM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 1:55 AM - 2:00 AM | 63.5 | 61.9 | 1.6 | 4.5 | - | 62.0 | 61.5 | 0.5 |
| 2:00 AM - 2:05 AM | 64.9 | 61.9 | 3.0 | 3.0 | - | 64.9 | 61.5 | 3.4 |
| 2:05 AM - 2:10 AM | 67.7 | 61.9 | 5.8 | 1.5 | - | 69.2 | 61.5 | 7.7 |
| 2:10 AM - 2:15 AM | 64.2 | 61.9 | 2.3 | 4.5 | - | 64.4 | 61.5 | 2.9 |
| 2:15 AM - 2:20 AM | 63.8 | 61.9 | 1.9 | 4.5 | - | 62.3 | 61.5 | 0.8 |
| 2:20 AM - 2:25 AM | 65.1 | 61.9 | 3.2 | 3.0 | - | 65.1 | 61.5 | 3.6 |
| 2:25 AM - 2:30 AM | 63.8 | 61.9 | 1.9 | 4.5 | - | 62.3 | 61.5 | 0.8 |
| 2:30 AM - 2:35 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 2:35 AM - 2:40 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 2:40 AM - 2:45 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 2:45 AM - 2:50 AM | 64.6 | 61.9 | 2.7 | 3.0 | - | 64.6 | 61.5 | 3.1 |
| 2:50 AM - 2:55 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 2:55 AM - 3:00 AM | 63.9 | 61.9 | 2.0 | 4.5 | - | 62.4 | 61.5 | 0.9 |
| 3:00 AM - 3:05 AM | 64.6 | 61.9 | 2.7 | 3.0 | - | 64.6 | 61.5 | 3.1 |
| 3:05 AM - 3:10 AM | 65.0 | 61.9 | 3.1 | 2.0 | - | 67.0 | 61.5 | 5.5 |
| 3:10 AM - 3:15 AM | 63.9 | 61.9 | 2.0 | 4.5 | - | 62.4 | 61.5 | 0.9 |
| 3:15 AM - 3:20 AM | 63.9 | 61.9 | 2.0 | 4.5 | - | 62.4 | 61.5 | 0.9 |
| 3:20 AM - 3:25 AM | 63.7 | 61.9 | 1.8 | 4.5 | - | 62.2 | 61.5 | 0.7 |
| 3:25 AM - 3:30 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 3:30 AM - 3:35 AM | 64.3 | 61.9 | 2.4 | 4.5 | - | 62.8 | 61.5 | 1.3 |
| 3:35 AM - 3:40 AM | 64.3 | 61.9 | 2.4 | 4.5 | - | 62.8 | 61.5 | 1.3 |
| 3:40 AM - 3:45 AM | 64.0 | 61.9 | 2.1 | 4.5 | - | 62.5 | 61.5 | 1.0 |
| 3:45 AM - 3:50 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 3:50 AM - 3:55 AM | 63.5 | 61.9 | 1.6 | 4.5 | - | 62.0 | 61.5 | 0.5 |
| 3:55 AM - 4:00 AM | 62.9 | 61.9 | 1.0 | 7.0 | - | 58.9 | 61.5 | -2.6 |
| 4:00 AM - 4:05 AM | 64.9 | 61.9 | 3.0 | 4.5 | - | 64.9 | 61.5 | 3.4 |
| 4:05 AM - 4:10 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 4:10 AM - 4:15 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 4:15 AM - 4:20 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 4:20 AM - 4:25 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 4:25 AM - 4:30 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 4:30 AM - 4:35 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 4:35 AM - 4:40 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 4:40 AM - 4:45 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 4:45 AM - 4:50 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 4:50 AM - 4:55 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 4:55 AM - 5:00 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 5:00 AM - 5:05 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 5:05 AM - 5:10 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 5:10 AM - 5:15 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 5:15 AM - 5:20 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 5:20 AM - 5:25 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 5:25 AM - 5:30 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 5:30 AM - 5:35 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 5:35 AM - 5:40 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 5:40 AM - 5:45 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 5:45 AM - 5:50 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 5:50 AM - 5:55 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 5:55 AM - 6:00 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 6:00 AM - 6:05 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 6:05 AM - 6:10 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 6:10 AM - 6:15 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 6:15 AM - 6:20 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 6:20 AM - 6:25 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 6:25 AM - 6:30 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 6:30 AM - 6:35 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 6:35 AM - 6:40 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 6:40 AM - 6:45 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 6:45 AM - 6:50 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 6:50 AM - 6:55 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 6:55 AM - 7:00 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 7:00 AM - 7:05 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 7:05 AM - 7:10 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 7:10 AM - 7:15 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 7:15 AM - 7:20 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 7:20 AM - 7:25 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 7:25 AM - 7:30 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 7:30 AM - 7:35 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 7:35 AM - 7:40 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 7:40 AM - 7:45 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 7:45 AM - 7:50 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 7:50 AM - 7:55 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 7:55 AM - 8:00 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 8:00 AM - 8:05 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 8:05 AM - 8:10 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 8:10 AM - 8:15 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 8:15 AM - 8:20 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 8:20 AM - 8:25 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 8:25 AM - 8:30 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 8:30 AM - 8:35 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 8:35 AM - 8:40 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 8:40 AM - 8:45 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 8:45 AM - 8:50 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 8:50 AM - 8:55 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 8:55 AM - 9:00 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 9:00 AM - 9:05 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 9:05 AM - 9:10 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 9:10 AM - 9:15 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 9:15 AM - 9:20 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 9:20 AM - 9:25 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 9:25 AM - 9:30 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 9:30 AM - 9:35 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 9:35 AM - 9:40 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 9:40 AM - 9:45 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 9:45 AM - 9:50 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 9:50 AM - 9:55 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 9:55 AM - 10:00 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 10:00 AM - 10:05 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 10:05 AM - 10:10 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 10:10 AM - 10:15 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 10:15 AM - 10:20 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 10:20 AM - 10:25 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 10:25 AM - 10:30 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 10:30 AM - 10:35 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 10:35 AM - 10:40 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 10:40 AM - 10:45 PM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 10:45 PM - 10:50 PM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 10:50 PM - 10:55 PM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 10:55 PM - 11:00 PM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 11:00 PM - 11:05 PM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 11:05 PM - 11:10 PM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 11:10 PM - 11:15 PM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 11:15 PM - 11:20 PM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 11:20 PM - 11:25 PM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 11:25 PM - 11:30 PM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 11:30 PM - 11:35 PM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 11:35 PM - 11:40 PM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 11:40 PM - 11:45 PM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 11:45 PM - 11:50 PM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 11:50 PM - 11:55 PM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 11:55 PM - 12:00 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 12:00 AM - 12:05 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 12:05 AM - 12:10 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 12:10 AM - 12:15 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |

The above results are valid only for the analyzed sample(s) as indicated in this report. The use of this report for any other purpose is not intended and any further use without our consent from the Laboratory, ALS Laboratory Group (Thailand) hereby is prohibited and this report is not to be reproduced in full.

Approved by

Dej Chongson
Senior Manager



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402107-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Page 2 of 3

Sample No. : 2286957-17
Parameter : เลื่อนฐาน
Location : West Fence (GPS 47P 0731650, 1438138)
Measurement Date : Aug 03 - 04, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 01222724

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|------------|----------------------------|---------|-------------|------------------|
| | | | รวมค่า | ตัวปรับค่า | ค่าปรับ | ค่าปรับ | | |
| 03:35 AM - 03:40 AM | 63.3 | 61.9 | 1.4 | 7.0 | 59.3 | 61.5 | -2.2 | |
| 03:40 AM - 03:45 AM | 63.9 | 61.9 | 2.0 | 4.5 | 62.4 | 61.5 | 0.9 | |
| 03:45 AM - 03:50 AM | 63.4 | 61.9 | 1.5 | 4.5 | 61.9 | 61.5 | 0.4 | |
| 03:50 AM - 03:55 AM | 63.0 | 61.9 | 1.1 | 7.0 | 59.0 | 61.5 | -2.5 | |
| 03:55 AM - 04:00 AM | 63.0 | 61.9 | 1.1 | 7.0 | 59.0 | 61.5 | -2.5 | |
| 04:00 AM - 04:05 AM | 63.9 | 61.9 | 2.0 | 4.5 | 62.4 | 61.5 | 0.9 | |
| 04:05 AM - 04:10 AM | 63.6 | 61.9 | 1.7 | 4.5 | 62.1 | 61.5 | 0.6 | |
| 04:10 AM - 04:15 AM | 63.8 | 61.9 | 1.9 | 4.5 | 62.3 | 61.5 | 0.8 | |
| 04:15 AM - 04:20 AM | 63.4 | 61.9 | 1.5 | 2.0 | 60.4 | 61.5 | -1.1 | |
| 04:20 AM - 04:25 AM | 64.3 | 61.9 | 2.4 | 4.5 | 62.8 | 61.5 | 1.3 | |
| 04:25 AM - 04:30 AM | 62.5 | 61.9 | 0.6 | 7.0 | 58.5 | 61.5 | -3.0 | |
| 04:30 AM - 04:35 AM | 63.3 | 61.9 | 1.4 | 7.0 | 59.3 | 61.5 | -2.2 | |
| 04:35 AM - 04:40 AM | 62.5 | 61.9 | 0.6 | 7.0 | 58.5 | 61.5 | -3.0 | |
| 04:40 AM - 04:45 AM | 63.3 | 61.9 | 1.4 | 7.0 | 59.3 | 61.5 | -2.2 | |
| 04:45 AM - 04:50 AM | 63.1 | 61.9 | 1.2 | 7.0 | 59.1 | 61.5 | -2.4 | |
| 04:50 AM - 04:55 AM | 64.0 | 61.9 | 2.1 | 4.5 | 62.5 | 61.5 | 1.0 | |
| 04:55 AM - 05:00 AM | 64.8 | 61.9 | 2.9 | 3.0 | 64.8 | 61.5 | 3.3 | |
| 05:00 AM - 05:05 AM | 63.8 | 61.9 | 1.9 | 4.5 | 62.3 | 61.5 | 0.8 | |
| 05:05 AM - 05:10 AM | 63.8 | 61.9 | 1.9 | 4.5 | 62.3 | 61.5 | 0.8 | |
| 05:10 AM - 05:15 AM | 62.6 | 61.9 | 0.7 | 7.0 | 58.6 | 61.5 | -2.9 | |
| 05:15 AM - 05:20 AM | 61.6 | 61.9 | -0.3 | 7.0 | 57.6 | 61.5 | -3.9 | |
| 05:20 AM - 05:25 AM | 62.6 | 61.9 | 0.7 | 7.0 | 58.6 | 61.5 | -2.9 | |
| 05:25 AM - 05:30 AM | 61.8 | 61.9 | -0.1 | 7.0 | 57.8 | 61.5 | -3.7 | |
| 05:30 AM - 05:35 AM | 62.3 | 61.9 | 0.4 | 7.0 | 58.3 | 61.5 | -3.2 | |
| 05:35 AM - 05:40 AM | 63.8 | 61.9 | 1.9 | 4.5 | 62.3 | 61.5 | 0.8 | |
| 05:40 AM - 05:45 AM | 64.1 | 61.9 | 2.2 | 4.5 | 62.6 | 61.5 | 1.1 | |
| 05:45 AM - 05:50 AM | 63.6 | 61.9 | 1.7 | 4.5 | 62.1 | 61.5 | 0.6 | |
| 05:50 AM - 05:55 AM | 65.2 | 61.9 | 3.3 | 3.0 | 65.2 | 61.5 | 3.7 | |
| 05:55 AM - 06:00 AM | 63.9 | 61.9 | 2.0 | 4.5 | 62.4 | 61.5 | 0.9 | |
| 06:00 AM - 06:05 AM | 64.2 | 62.0 | 2.2 | 4.5 | 62.4 | 61.5 | 0.9 | |
| 07:00 AM - 08:00 AM | 68.4 | 62.0 | 6.4 | 1.5 | 66.9 | 61.5 | 5.4 | |
| 08:00 AM - 09:00 AM | 65.5 | 62.0 | 3.5 | 2.0 | 63.5 | 61.5 | 2.0 | |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

หมายเหตุ

1. ผลการทดสอบและการคำนวณ : ผลการทดสอบและการคำนวณระดับเสียงที่ได้จากการทดสอบมีค่าเท่ากับ 29 dBA
2. ผลการทดสอบและการคำนวณระดับเสียง : ผลการคำนวณระดับเสียงที่ได้จากการคำนวณมีค่าเท่ากับ 29 dBA
3. ผลการทดสอบและการคำนวณระดับเสียง : ผลการคำนวณระดับเสียงที่ได้จากการคำนวณมีค่าเท่ากับ 29 dBA
4. ผลการทดสอบและการคำนวณระดับเสียง : ผลการคำนวณระดับเสียงที่ได้จากการคำนวณมีค่าเท่ากับ 29 dBA

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Approved by

Dej Chongchon
Senior Manager

ADDRESS 616/10 Moo 5, T. Maenam Khu A. Phluakdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402107-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Page 2 of 3

Sample No. : 2286957-18
Parameter : เลื่อนฐาน
Location : West Fence (GPS 47P 0731650, 1438138)
Measurement Date : Aug 04 - 05, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 01222724

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|------------|----------------------------|---------|-------------|------------------|
| | | | รวมค่า | ตัวปรับค่า | ค่าปรับ | ค่าปรับ | | |
| 12:15 AM - 12:20 AM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 | -3.5 | |
| 12:20 AM - 12:25 AM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 | -3.5 | |
| 12:25 AM - 12:30 AM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 | -3.5 | |
| 12:30 AM - 12:35 AM | 62.8 | 61.9 | 0.9 | 7.0 | 58.8 | 61.5 | -2.7 | |
| 12:35 AM - 12:40 AM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 | -3.5 | |
| 12:40 AM - 12:45 AM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 | -3.5 | |
| 12:45 AM - 12:50 AM | 62.2 | 61.9 | 0.3 | 7.0 | 58.2 | 61.5 | -3.3 | |
| 12:50 AM - 12:55 AM | 62.5 | 61.9 | 0.6 | 7.0 | 58.5 | 61.5 | -3.0 | |
| 12:55 AM - 01:00 AM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 | -3.5 | |
| 01:00 AM - 01:05 AM | 61.9 | 61.9 | 0.0 | 7.0 | 57.9 | 61.5 | -3.6 | |
| 01:05 AM - 01:10 AM | 62.1 | 61.9 | 0.2 | 7.0 | 58.1 | 61.5 | -3.4 | |
| 01:10 AM - 01:15 AM | 62.6 | 61.9 | 0.7 | 1.5 | 61.1 | 61.5 | 0.4 | |
| 01:15 AM - 01:20 AM | 66.6 | 61.9 | 4.7 | 1.5 | 65.1 | 61.5 | 3.6 | |
| 01:20 AM - 01:25 AM | 65.7 | 61.9 | 3.8 | 2.0 | 62.7 | 61.5 | 1.2 | |
| 01:25 AM - 01:30 AM | 62.9 | 61.9 | 1.0 | 7.0 | 58.9 | 61.5 | -2.6 | |
| 01:30 AM - 01:35 AM | 63.3 | 61.9 | 1.4 | 7.0 | 59.3 | 61.5 | -2.2 | |
| 01:35 AM - 01:40 AM | 63.2 | 61.9 | 1.3 | 7.0 | 59.2 | 61.5 | -2.3 | |
| 01:40 AM - 01:45 AM | 63.8 | 61.9 | 1.9 | 4.5 | 62.3 | 61.5 | 0.8 | |
| 01:45 AM - 01:50 AM | 64.1 | 61.9 | 2.2 | 4.5 | 62.6 | 61.5 | 1.1 | |
| 01:50 AM - 01:55 AM | 64.2 | 61.9 | 2.3 | 4.5 | 62.7 | 61.5 | 1.2 | |
| 01:55 AM - 02:00 AM | 66.5 | 61.9 | 4.6 | 1.5 | 65.0 | 61.5 | 3.5 | |
| 02:00 AM - 02:05 AM | 64.1 | 61.9 | 2.2 | 4.5 | 62.6 | 61.5 | 1.1 | |
| 02:05 AM - 02:10 AM | 63.1 | 61.9 | 1.2 | 7.0 | 59.1 | 61.5 | -2.4 | |
| 02:10 AM - 02:15 AM | 62.5 | 61.9 | 0.6 | 7.0 | 58.5 | 61.5 | -3.0 | |
| 02:15 AM - 02:20 AM | 62.8 | 61.9 | 0.9 | 7.0 | 58.8 | 61.5 | -2.7 | |
| 02:20 AM - 02:25 AM | 64.8 | 61.9 | 2.9 | 3.0 | 64.8 | 61.5 | 3.3 | |
| 02:25 AM - 02:30 AM | 62.1 | 61.9 | 0.2 | 7.0 | 58.1 | 61.5 | -3.4 | |
| 02:30 AM - 02:35 AM | 64.2 | 61.9 | 2.3 | 4.5 | 62.7 | 61.5 | 1.2 | |
| 02:35 AM - 02:40 AM | 63.2 | 61.9 | 1.3 | 7.0 | 59.2 | 61.5 | -2.3 | |
| 02:40 AM - 02:45 AM | 64.2 | 61.9 | 2.3 | 4.5 | 62.7 | 61.5 | 1.2 | |
| 02:45 AM - 02:50 AM | 63.7 | 61.9 | 1.8 | 4.5 | 62.2 | 61.5 | 0.7 | |
| 02:50 AM - 02:55 AM | 62.4 | 61.9 | 0.5 | 7.0 | 58.4 | 61.5 | -3.1 | |
| 02:55 AM - 03:00 AM | 61.8 | 61.9 | -0.1 | 7.0 | 57.8 | 61.5 | -3.7 | |
| 03:00 AM - 03:05 AM | 61.5 | 61.9 | -0.4 | 7.0 | 57.5 | 61.5 | -4.0 | |
| 03:05 AM - 03:10 AM | 62.5 | 61.9 | 0.6 | 7.0 | 58.5 | 61.5 | -3.0 | |
| 03:10 AM - 03:15 AM | 61.6 | 61.9 | -0.3 | 7.0 | 57.6 | 61.5 | -3.9 | |
| 03:15 AM - 03:20 AM | 62.3 | 61.9 | 0.4 | 7.0 | 58.3 | 61.5 | -3.2 | |
| 03:20 AM - 03:25 AM | 62.7 | 61.9 | 0.8 | 7.0 | 58.7 | 61.5 | -2.8 | |
| 03:25 AM - 03:30 AM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 | -3.5 | |
| 03:30 AM - 03:35 AM | 62.3 | 61.9 | 0.4 | 7.0 | 58.3 | 61.5 | -3.2 | |

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Dej Chongchon
Senior Manager

ADDRESS 616/10 Moo 5, T. Maenam Khu A. Phluakdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402107-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Page 2 of 3

Sample No. : 2286957-18
Parameter : เลื่อนฐาน
Location : West Fence (GPS 47P 0731650, 1438138)
Measurement Date : Aug 04 - 05, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 01222724

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|------------|----------------------------|---------|-------------|------------------|
| | | | รวมค่า | ตัวปรับค่า | ค่าปรับ | ค่าปรับ | | |
| 09:00 AM - 10:00 AM | 64.8 | 62.0 | 2.8 | 3.0 | 61.8 | - | 61.2 | 0.6 |
| 10:00 AM - 11:00 AM | 64.1 | 62.0 | 2.1 | 4.5 | 59.6 | - | 61.2 | -1.6 |
| 11:00 AM - 12:00 PM | 64.2 | 62.0 | 2.2 | 4.5 | 59.7 | - | 61.2 | -1.5 |
| 12:00 PM - 01:00 PM | 63.2 | 62.0 | 1.2 | 7.0 | 56.2 | - | 61.2 | -5.0 |
| 01:00 PM - 02:00 PM | 64.7 | 62.0 | 2.7 | 3.0 | 61.7 | - | 61.2 | 0.5 |
| 02:00 PM - 03:00 PM | 63.9 | 62.0 | 1.9 | 4.5 | 59.4 | - | 61.2 | -1.8 |
| 03:00 PM - 04:00 PM | 63.1 | 62.0 | 1.1 | 7.0 | 56.1 | - | 61.2 | -5.1 |
| 04:00 PM - 05:00 PM | 63.9 | 62.0 | 1.9 | 4.5 | 59.4 | - | 61.2 | -1.8 |
| 05:00 PM - 06:00 PM | 63.6 | 62.0 | 1.6 | 3.0 | 61.6 | - | 61.2 | -0.4 |
| 06:00 PM - 07:00 PM | 64.9 | 62.0 | 2.9 | 3.0 | 61.9 | - | 61.2 | 0.7 |
| 07:00 PM - 08:00 PM | 65.4 | 62.0 | 3.4 | 3.0 | 62.4 | - | 61.2 | 1.2 |
| 08:00 PM - 09:00 PM | 65.6 | 62.0 | 3.6 | 2.0 | 63.6 | - | 61.2 | 2.4 |
| 09:00 PM - 10:00 PM | 63.4 | 62.0 | 1.4 | 7.0 | 56.4 | - | 61.2 | -4.8 |
| 10:00 PM - 10:05 PM | 60.2 | 61.9 | -1.7 | 7.0 | 56.2 | 61.5 | -5.3 | |
| 10:05 PM - 10:10 PM | 60.2 | 61.9 | -1.7 | 7.0 | - | 56.2 | 61.5 | -5.3 |
| 10:10 PM - 10:15 PM | 61.5 | 61.9 | -0.4 | 7.0 | - | 57.5 | 61.5 | -4.0 |
| 10:15 PM - 10:20 PM | 61.8 | 61.9 | -0.1 | 7.0 | - | 57.8 | 61.5 | -3.7 |
| 10:20 PM - 10:25 PM | 61.8 | 61.9 | -0.1 | 7.0 | - | 57.8 | 61.5 | -3.7 |
| 10:25 PM - 10:30 PM | 61.4 | 61.9 | -0.5 | 7.0 | - | 57.4 | 61.5 | -4.1 |
| 10:30 PM - 10:35 PM | 61.3 | 61.9 | -0.6 | 7.0 | - | 57.3 | 61.5 | -4.2 |
| 10:35 PM - 10:40 PM | 61.4 | 61.9 | -0.5 | 7.0 | - | 57.4 | 61.5 | -4.1 |
| 10:40 PM - 10:45 PM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 10:45 PM - 10:50 PM | 61.8 | 61.9 | -0.1 | 7.0 | - | 57.8 | 61.5 | -3.7 |
| 10:50 PM - 10:55 PM | 64.6 | 61.9 | 2.7 | 3.0 | - | 64.6 | 61.5 | 3.1 |
| 10:55 PM - 11:00 PM | 62.9 | 61.9 | 1.0 | 7.0 | - | 58.9 | 61.5 | -2.6 |
| 11:00 PM - 11:05 PM | 63.0 | 61.9 | 1.1 | 7.0 | - | 59.0 | 61.5 | -2.5 |
| 11:05 PM - 11:10 PM | 63.7 | 61.9 | 1.8 | 4.5 | - | 62.2 | 61.5 | 0.7 |
| 11:10 PM - 11:15 PM | 62.9 | 61.9 | 1.0 | 7.0 | - | 58.9 | 61.5 | -2.6 |
| 11:15 PM - 11:20 PM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 11:20 PM - 11:25 PM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 11:25 PM - 11:30 PM | 63.2 | 61.9 | 1.3 | 7.0 | - | 59.2 | 61.5 | -2.3 |
| 11:30 PM - 11:35 PM | 63.2 | 61.9 | 1.3 | 7.0 | - | 59.2 | 61.5 | -2.3 |
| 11:35 PM - 11:40 PM | 64.1 | 61.9 | 2.2 | 4.5 | - | 62.6 | 61.5 | 1.1 |
| 11:40 PM - 11:45 PM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 11:45 PM - 11:50 PM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 11:50 PM - 11:55 PM | 63.7 | 61.9 | 1.8 | 4.5 | - | 62.2 | 61.5 | 0.7 |
| 11:55 PM - 12:00 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 12:00 AM - 12:05 AM | 64.1 | 61.9 | 2.2 | 4.5 | - | 62.6 | 61.5 | 1.1 |
| 12:05 AM - 12:10 AM | 63.2 | 61.9 | 1.3 | 7.0 | - | 59.2 | 61.5 | -2.3 |
| 12:10 AM - 12:15 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402109-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Sample No. : 2286957-19
Parameter : เสียงรบกวน
Location : West Fence (GPS 47P 0731650, 1438138)
Measurement Date : Aug 05 - 06, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 01222724

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนในโครงการ | ผลจากสิ่งแวดล้อม | ค่าปรับ | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่ารวมการรบกวน |
|---------------------|---------------------|---------------------|------------------|---------|----------------------------|---------|--------------|----------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 09:00 AM - 10:00 AM | 65.3 | 62.0 | 3.3 | 3.0 | 62.3 | - | 61.2 | 3.1 |
| 10:00 AM - 11:00 AM | 65.1 | 62.0 | 3.1 | 3.0 | 62.1 | - | 61.2 | 0.9 |
| 11:00 AM - 12:00 PM | 65.3 | 62.0 | 3.3 | 3.0 | 62.3 | - | 61.2 | 1.1 |
| 12:00 PM - 01:00 PM | 62.0 | 62.0 | 0.0 | 7.0 | 59.0 | - | 61.2 | -6.2 |
| 01:00 PM - 02:00 PM | 63.2 | 62.0 | 1.2 | 7.0 | 56.2 | - | 61.2 | -5.0 |
| 02:00 PM - 03:00 PM | 63.8 | 62.0 | 1.8 | 4.5 | 59.3 | - | 61.2 | -1.9 |
| 03:00 PM - 04:00 PM | 64.9 | 62.0 | 2.9 | 3.0 | 61.9 | - | 61.2 | 0.7 |
| 04:00 PM - 05:00 PM | 65.8 | 62.0 | 3.8 | 2.0 | 61.8 | - | 61.2 | 2.6 |
| 05:00 PM - 06:00 PM | 64.4 | 62.0 | 2.4 | 4.5 | 59.9 | - | 61.2 | -1.3 |
| 06:00 PM - 07:00 PM | 63.6 | 62.0 | 1.6 | 4.5 | 59.1 | - | 61.2 | -2.1 |
| 07:00 PM - 08:00 PM | 64.3 | 62.0 | 2.3 | 4.5 | 59.8 | - | 61.2 | -1.4 |
| 08:00 PM - 09:00 PM | 65.8 | 62.0 | 3.8 | 2.0 | 61.8 | - | 61.2 | 2.6 |
| 09:00 PM - 10:00 PM | 63.3 | 62.0 | 1.3 | 7.0 | 56.3 | - | 61.2 | -4.9 |
| 10:00 PM - 10:05 PM | 63.9 | 61.9 | 2.0 | 4.5 | - | 62.4 | 61.5 | 0.9 |
| 10:05 PM - 10:10 PM | 62.2 | 61.9 | 1.3 | 7.0 | - | 59.2 | 61.5 | -2.3 |
| 10:10 PM - 10:15 PM | 62.6 | 61.9 | 1.7 | 4.5 | - | 58.6 | 61.5 | -2.9 |
| 10:15 PM - 10:20 PM | 63.0 | 61.9 | 1.1 | 7.0 | - | 59.0 | 61.5 | -2.5 |
| 10:20 PM - 10:25 PM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 10:25 PM - 10:30 PM | 63.9 | 61.9 | 2.0 | 4.5 | - | 62.4 | 61.5 | 0.9 |
| 10:30 PM - 10:35 PM | 62.5 | 61.9 | 0.6 | 7.0 | - | 58.3 | 61.5 | -3.0 |
| 10:35 PM - 10:40 PM | 63.4 | 61.9 | 1.5 | 4.5 | - | 61.9 | 61.5 | 0.4 |
| 10:40 PM - 10:45 PM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 10:45 PM - 10:50 PM | 62.8 | 61.9 | 1.9 | 4.5 | - | 58.2 | 61.5 | -3.3 |
| 10:50 PM - 10:55 PM | 64.3 | 61.9 | 2.4 | 4.5 | - | 62.8 | 61.5 | 1.3 |
| 11:00 PM - 11:05 PM | 63.4 | 61.9 | 1.5 | 4.5 | - | 61.9 | 61.5 | 0.4 |
| 11:05 PM - 11:10 PM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 11:10 PM - 11:15 PM | 63.9 | 61.9 | 2.0 | 4.5 | - | 62.4 | 61.5 | 0.9 |
| 11:15 PM - 11:20 PM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 11:20 PM - 11:25 PM | 62.9 | 61.9 | 1.0 | 7.0 | - | 58.9 | 61.5 | -2.6 |
| 11:25 PM - 11:30 PM | 64.1 | 61.9 | 2.2 | 4.5 | - | 62.6 | 61.5 | 1.1 |
| 11:30 PM - 11:35 PM | 63.2 | 61.9 | 1.3 | 7.0 | - | 59.2 | 61.5 | -2.3 |
| 11:35 PM - 11:40 PM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 11:40 PM - 11:45 PM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 11:45 PM - 11:50 PM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 11:50 PM - 11:55 PM | 64.2 | 61.9 | 2.3 | 4.5 | - | 62.7 | 61.5 | 1.2 |
| 11:55 PM - 12:00 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 12:00 AM - 12:05 AM | 65.2 | 61.9 | 3.3 | 3.0 | - | 65.2 | 61.5 | 3.7 |
| 12:05 AM - 12:10 AM | 66.5 | 61.9 | 4.6 | 1.5 | - | 68.0 | 61.5 | 6.5 |
| 12:10 AM - 12:15 AM | 61.5 | 61.9 | -0.4 | 7.0 | - | 57.5 | 61.5 | -4.0 |

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Approved by

Dej Changnon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402109-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Sample No. : 2286957-19
Parameter : เสียงรบกวน
Location : West Fence (GPS 47P 0731650, 1438138)
Measurement Date : Aug 06 - 07, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 01222724

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนในโครงการ | ผลจากสิ่งแวดล้อม | ค่าปรับ | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่ารวมการรบกวน |
|---------------------|---------------------|---------------------|------------------|---------|----------------------------|---------|--------------|----------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 03:35 AM - 04:00 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 03:40 AM - 04:05 AM | 62.1 | 61.9 | 0.2 | 7.0 | - | 58.1 | 61.5 | -3.4 |
| 03:45 AM - 04:30 AM | 63.0 | 61.9 | 1.1 | 7.0 | - | 59.0 | 61.5 | -2.5 |
| 03:50 AM - 03:55 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 03:55 AM - 04:00 AM | 63.9 | 61.9 | 2.0 | 4.5 | - | 62.4 | 61.5 | 0.9 |
| 04:00 AM - 04:05 AM | 62.5 | 61.9 | 0.6 | 7.0 | - | 58.5 | 61.5 | -3.0 |
| 04:05 AM - 04:10 AM | 61.1 | 61.9 | -0.8 | 7.0 | - | 57.1 | 61.5 | -4.4 |
| 04:10 AM - 04:15 AM | 65.0 | 61.9 | 3.1 | 3.0 | - | 65.0 | 61.5 | 3.5 |
| 04:15 AM - 04:20 AM | 61.5 | 61.9 | -0.4 | 7.0 | - | 57.5 | 61.5 | -4.0 |
| 04:20 AM - 04:25 AM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 04:25 AM - 04:30 AM | 60.8 | 61.9 | -1.1 | 7.0 | - | 56.8 | 61.5 | -4.7 |
| 04:30 AM - 04:35 AM | 61.0 | 61.9 | -0.9 | 7.0 | - | 57.0 | 61.5 | -4.5 |
| 04:35 AM - 04:40 AM | 61.8 | 61.9 | -0.1 | 7.0 | - | 57.8 | 61.5 | -3.7 |
| 04:40 AM - 04:45 AM | 60.4 | 61.9 | -1.5 | 7.0 | - | 56.4 | 61.5 | -5.1 |
| 04:45 AM - 04:50 AM | 60.5 | 61.9 | -1.4 | 7.0 | - | 56.5 | 61.5 | -5.0 |
| 04:50 AM - 04:55 AM | 63.7 | 61.9 | 1.8 | 4.5 | - | 62.2 | 61.5 | 0.7 |
| 04:55 AM - 05:00 AM | 62.1 | 61.9 | 0.2 | 7.0 | - | 58.1 | 61.5 | -3.4 |
| 05:00 AM - 05:05 AM | 61.8 | 61.9 | -0.1 | 7.0 | - | 57.8 | 61.5 | -3.7 |
| 05:05 AM - 05:10 AM | 66.6 | 61.9 | 4.7 | 1.5 | - | 68.1 | 61.5 | 6.6 |
| 05:10 AM - 05:15 AM | 60.1 | 61.9 | -1.8 | 7.0 | - | 56.1 | 61.5 | -5.4 |
| 05:15 AM - 05:20 AM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 05:20 AM - 05:25 AM | 61.3 | 61.9 | -0.6 | 7.0 | - | 57.3 | 61.5 | -4.2 |
| 05:25 AM - 05:30 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 05:30 AM - 05:35 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 05:35 AM - 05:40 AM | 62.5 | 61.9 | 0.6 | 7.0 | - | 58.5 | 61.5 | -3.0 |
| 05:40 AM - 05:45 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 05:45 AM - 05:50 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 05:50 AM - 05:55 AM | 62.2 | 61.9 | 0.3 | 7.0 | - | 58.2 | 61.5 | -3.3 |
| 05:55 AM - 06:00 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 06:00 AM - 07:00 AM | 63.4 | 62.0 | 1.4 | 7.0 | 56.4 | - | 61.2 | -4.8 |
| 07:00 AM - 08:00 AM | 66.0 | 62.0 | 4.0 | 2.0 | 64.0 | - | 61.2 | 2.8 |
| 08:00 AM - 09:00 AM | 64.1 | 62.0 | 2.1 | 4.5 | 59.6 | - | 61.2 | -1.6 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ
1. ผลการตรวจวัดอาจแตกต่างกัน เนื่องจากการวัดเสียงรบกวนและระดับเสียงที่ได้จากการตรวจวัดอาจแตกต่างกันได้
 2. ผลการตรวจวัดอาจแตกต่างกันได้เนื่องจากการวัดเสียงรบกวนและระดับเสียงที่ได้จากการตรวจวัดอาจแตกต่างกันได้
 3. ผลการตรวจวัดอาจแตกต่างกันได้เนื่องจากการวัดเสียงรบกวนและระดับเสียงที่ได้จากการตรวจวัดอาจแตกต่างกันได้
 4. ผลการตรวจวัดอาจแตกต่างกันได้เนื่องจากการวัดเสียงรบกวนและระดับเสียงที่ได้จากการตรวจวัดอาจแตกต่างกันได้

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Approved by

Dej Changnon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402109-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Sample No. : 2286957-19
Parameter : เสียงรบกวน
Location : West Fence (GPS 47P 0731650, 1438138)
Measurement Date : Aug 05 - 06, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 01222724

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนในโครงการ | ผลจากสิ่งแวดล้อม | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่ารวมการรบกวน |
|---------------------|---------------------|---------------------|------------------|------------|----------------------------|---------|--------------|----------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 12:15 AM - 12:20 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 12:20 AM - 12:25 AM | 62.2 | 61.9 | 0.3 | 7.0 | - | 58.2 | 61.5 | -3.3 |
| 12:25 AM - 12:30 AM | 64.8 | 61.9 | 2.9 | 3.0 | - | 64.8 | 61.5 | 3.3 |
| 12:30 AM - 12:35 AM | 61.9 | 61.9 | 0.0 | 7.0 | - | 57.9 | 61.5 | -3.6 |
| 12:35 AM - 12:40 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 12:40 AM - 12:45 AM | 63.1 | 61.9 | 1.2 | 4.5 | - | 57.6 | 61.5 | -4.2 |
| 12:45 AM - 12:50 AM | 61.3 | 61.9 | -0.6 | 7.0 | - | 57.3 | 61.5 | -4.2 |
| 12:50 AM - 12:55 AM | 65.9 | 61.9 | 4.0 | 2.0 | - | 58.5 | 61.5 | -3.0 |
| 12:55 AM - 01:00 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 01:00 AM - 01:05 AM | 61.6 | 61.9 | -0.3 | 7.0 | - | 57.6 | 61.5 | -3.9 |
| 01:05 AM - 01:10 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 01:10 AM - 01:15 AM | 65.9 | 61.9 | 4.0 | 2.0 | - | 66.9 | 61.5 | 5.4 |
| 01:15 AM - 01:20 AM | 65.5 | 61.9 | 3.6 | 2.0 | - | 66.5 | 61.5 | 5.0 |
| 01:20 AM - 01:25 AM | 64.9 | 61.9 | 3.0 | 3.0 | - | 64.9 | 61.5 | 3.4 |
| 01:25 AM - 01:30 AM | 64.1 | 61.9 | 2.2 | 4.5 | - | 62.6 | 61.5 | 1.1 |
| 01:30 AM - 01:35 AM | 63.9 | 61.9 | 1.6 | 4.5 | - | 62.0 | 61.5 | 0.5 |
| 01:35 AM - 01:40 AM | 63.5 | 61.9 | 1.6 | 4.5 | - | 62.0 | 61.5 | 0.5 |
| 01:40 AM - 01:45 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 01:45 AM - 01:50 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 01:50 AM - 01:55 AM | 63.3 | 61.9 | 1.4 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 01:55 AM - 02:00 AM | 60.9 | 61.9 | -1.0 | 7.0 | - | 56.9 | 61.5 | -4.6 |
| 02:00 AM - 02:05 AM | 65.0 | 61.9 | 3.1 | 3.0 | - | 65.0 | 61.5 | 3.5 |
| 02:05 AM - 02:10 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 02:10 AM - 02:15 AM | 63.5 | 61.9 | 1.6 | 4.5 | - | 62.0 | 61.5 | 0.5 |
| 02:15 AM - 02:20 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 02:20 AM - 02:25 AM | 61.4 | 61.9 | -0.5 | 7.0 | - | 57.4 | 61.5 | -4.1 |
| 02:25 AM - 02:30 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 02:30 AM - 02:35 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 02:35 AM - 02:40 AM | 61.3 | 61.9 | -0.6 | 7.0 | - | 57.3 | 61.5 | -4.2 |
| 02:40 AM - 02:45 AM | 62.2 | 61.9 | 0.3 | 7.0 | - | 58.2 | 61.5 | -3.3 |
| 02:45 AM - 02:50 AM | 61.9 | 61.9 | 0.0 | 7.0 | - | 57.9 | 61.5 | -3.6 |
| 02:50 AM - 02:55 AM | 61.8 | 61.9 | -0.1 | 7.0 | - | 57.8 | 61.5 | -3.7 |
| 02:55 AM - 03:00 AM | 61.0 | 61.9 | -0.9 | 7.0 | - | 57.0 | 61.5 | -4.5 |
| 03:00 AM - 03:05 AM | 60.3 | 61.9 | -1.6 | 7.0 | - | 56.3 | 61.5 | -5.2 |
| 03:05 AM - 03:10 AM | 60.3 | 61.9 | -1.7 | 7.0 | - | 56.3 | 61.5 | -5.3 |
| 03:10 AM - 03:15 AM | 61.4 | 61.9 | -0.5 | 7.0 | - | 57.4 | 61.5 | -4.1 |
| 03:15 AM - 03:20 AM | 61.3 | 61.9 | -0.6 | 7.0 | - | 57.3 | 61.5 | -4.2 |
| 03:20 AM - 03:25 AM | 61.9 | 61.9 | -0.4 | 7.0 | - | 57.5 | 61.5 | -4.0 |
| 03:25 AM - 03:30 AM | 61.5 | 61.9 | -0.4 | 7.0 | - | 57.5 | 61.5 | -4.0 |
| 03:30 AM - 03:35 AM | 61.9 | 61.9 | 0.0 | 7.0 | - | 57.9 | 61.5 | -3.6 |

Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyaphon, A. Pluakdaeng, Rayong
Thailand 21140


Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402109-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. 2286957-20
Parameter เลื่อนทวน
Location West Fence (GPS 47P 0731650, 1438138)
Measurement Date Aug 06 - 07, 2022
Measurement by Sattha Phetsawang
Sound Level Meter 01222724

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐานการรบกวน | ค่ารวมการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|------------|----------------------------|---------|---------------------|----------------|
| | | | ผลต่าง | ตัวปรับค่า | กลางวัน | กลางคืน | | |
| 12:15 AM - 12:20 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 12:20 AM - 12:25 AM | 61.9 | 61.9 | 0.0 | 7.0 | - | 57.9 | 61.5 | -3.6 |
| 12:25 AM - 12:30 AM | 62.9 | 61.9 | 1.0 | 7.0 | - | 58.9 | 61.5 | -2.6 |
| 12:30 AM - 12:35 AM | 61.2 | 61.9 | -0.7 | 7.0 | - | 57.2 | 61.5 | -4.3 |
| 12:35 AM - 12:40 AM | 61.7 | 61.9 | -0.2 | 7.0 | - | 57.7 | 61.5 | -3.8 |
| 12:40 AM - 12:45 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 12:45 AM - 12:50 AM | 61.8 | 61.9 | -0.1 | 7.0 | - | 57.8 | 61.5 | -3.7 |
| 12:50 AM - 12:55 AM | 61.7 | 61.9 | -0.2 | 7.0 | - | 57.7 | 61.5 | -3.8 |
| 12:55 AM - 01:00 AM | 61.4 | 61.9 | -0.5 | 7.0 | - | 57.4 | 61.5 | -4.1 |
| 01:00 AM - 01:05 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 01:05 AM - 01:10 AM | 61.7 | 61.9 | -0.2 | 7.0 | - | 57.7 | 61.5 | -3.8 |
| 01:10 AM - 01:15 AM | 61.9 | 61.9 | 0.0 | 7.0 | - | 57.9 | 61.5 | -3.6 |
| 01:15 AM - 01:20 AM | 61.9 | 61.9 | 0.0 | 7.0 | - | 57.9 | 61.5 | -3.6 |
| 01:20 AM - 01:25 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 01:25 AM - 01:30 AM | 61.8 | 61.9 | -0.1 | 7.0 | - | 57.8 | 61.5 | -3.7 |
| 01:30 AM - 01:35 AM | 61.5 | 61.9 | -0.4 | 7.0 | - | 57.5 | 61.5 | -4.0 |
| 01:35 AM - 01:40 AM | 65.3 | 61.9 | 3.4 | 3.0 | - | 65.3 | 61.5 | 3.8 |
| 01:40 AM - 01:45 AM | 63.8 | 61.9 | 1.9 | 4.5 | - | 62.3 | 61.5 | 0.8 |
| 01:45 AM - 01:50 AM | 64.3 | 61.9 | 2.4 | 4.5 | - | 62.8 | 61.5 | 1.3 |
| 01:50 AM - 01:55 AM | 63.0 | 61.9 | 1.1 | 7.0 | - | 59.0 | 61.5 | -2.5 |
| 01:55 AM - 02:00 AM | 62.3 | 61.9 | 0.4 | 7.0 | - | 58.3 | 61.5 | -3.2 |
| 02:00 AM - 02:05 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 02:05 AM - 02:10 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 02:10 AM - 02:15 AM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 02:15 AM - 02:20 AM | 61.1 | 61.9 | -0.8 | 7.0 | - | 56.1 | 61.5 | -5.4 |
| 02:20 AM - 02:25 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 02:25 AM - 02:30 AM | 62.5 | 61.9 | 0.6 | 7.0 | - | 58.5 | 61.5 | -3.0 |
| 02:30 AM - 02:35 AM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 02:35 AM - 02:40 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 02:40 AM - 02:45 AM | 63.3 | 61.9 | 1.4 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 02:45 AM - 02:50 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 02:50 AM - 02:55 AM | 64.9 | 61.9 | 3.0 | 3.0 | - | 64.9 | 61.5 | 3.4 |
| 02:55 AM - 03:00 AM | 64.3 | 61.9 | 2.4 | 4.5 | - | 62.8 | 61.5 | 1.3 |
| 03:00 AM - 03:05 AM | 61.2 | 61.9 | -0.7 | 7.0 | - | 57.2 | 61.5 | -4.3 |
| 03:05 AM - 03:10 AM | 61.3 | 61.9 | -0.6 | 7.0 | - | 57.3 | 61.5 | -4.2 |
| 03:10 AM - 03:15 AM | 61.8 | 61.9 | -0.1 | 7.0 | - | 57.8 | 61.5 | -3.7 |
| 03:15 AM - 03:20 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 03:20 AM - 03:25 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 03:25 AM - 03:30 AM | 66.0 | 61.9 | 4.1 | 2.0 | - | 67.0 | 61.5 | 5.5 |

The above results are valid only for the analyzed tested sample(s) as indicated in this report. The rest of this report or certificate may be reproduced in any form without prior consent from the Laboratory. ALS Laboratory Group (Thailand) Private Limited warrants that this report is not fraudulent except in full.

Approved by 
Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. AN ALS LIMITED COMPANY

Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyaphon, A. Pluakdaeng, Rayong
Thailand 21140


Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402110-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. 2286957-21
Parameter เลื่อนทวน
Location Moo 3 Mahayongorn (N1) (GPS 47P 0731180, 1438325)
Measurement Date Aug 02 - 03, 2022
Measurement by Sattha Phetsawang
Sound Level Meter 01173609

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐานการรบกวน | ค่ารวมการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|------------|----------------------------|---------|---------------------|----------------|
| | | | ผลต่าง | ตัวปรับค่า | กลางวัน | กลางคืน | | |
| 02:00 PM - 02:05 PM | 58.8 | 59.5 | -0.7 | 7.0 | - | 54.5 | 59.5 | -2.7 |
| 02:05 PM - 02:10 PM | 54.2 | 59.5 | -5.3 | 7.0 | - | 54.2 | 59.5 | -5.3 |
| 02:10 PM - 02:15 PM | 56.3 | 59.5 | -3.2 | 7.0 | - | 56.3 | 59.5 | -3.2 |
| 02:15 PM - 02:20 PM | 60.3 | 59.5 | 0.8 | 7.0 | - | 53.3 | 59.5 | -6.2 |
| 02:20 PM - 02:25 PM | 58.5 | 59.5 | -1.0 | 7.0 | - | 54.5 | 59.5 | -5.0 |
| 02:25 PM - 02:30 PM | 59.1 | 59.5 | -0.4 | 7.0 | - | 54.5 | 59.5 | -5.0 |
| 02:30 PM - 02:35 PM | 59.0 | 59.5 | -0.5 | 7.0 | - | 54.5 | 59.5 | -5.0 |
| 02:35 PM - 02:40 PM | 58.1 | 59.5 | -1.4 | 7.0 | - | 54.5 | 59.5 | -5.0 |
| 02:40 PM - 02:45 PM | 49.6 | 56.3 | -6.7 | 7.0 | - | 45.6 | 54.1 | -8.5 |
| 02:45 PM - 02:50 PM | 48.6 | 56.3 | -7.7 | 7.0 | - | 44.6 | 54.1 | -9.5 |
| 02:50 PM - 02:55 PM | 47.8 | 56.3 | -8.5 | 7.0 | - | 43.8 | 54.1 | -10.3 |
| 02:55 PM - 03:00 PM | 48.1 | 56.3 | -8.2 | 7.0 | - | 44.1 | 54.1 | -10.0 |
| 03:00 PM - 03:05 PM | 47.6 | 56.3 | -8.7 | 7.0 | - | 43.6 | 54.1 | -10.5 |
| 03:05 PM - 03:10 PM | 47.0 | 56.3 | -9.3 | 7.0 | - | 43.0 | 54.1 | -11.1 |
| 03:10 PM - 03:15 PM | 47.7 | 56.3 | -8.6 | 7.0 | - | 43.7 | 54.1 | -10.4 |
| 03:15 PM - 03:20 PM | 55.6 | 56.3 | -0.7 | 7.0 | - | 51.6 | 54.1 | -2.5 |
| 03:20 PM - 03:25 PM | 49.2 | 56.3 | -7.1 | 7.0 | - | 45.2 | 54.1 | -8.9 |
| 03:25 PM - 03:30 PM | 52.6 | 56.3 | -3.7 | 7.0 | - | 48.6 | 54.1 | -5.5 |
| 03:30 PM - 03:35 PM | 50.1 | 56.3 | -6.2 | 7.0 | - | 46.1 | 54.1 | -8.0 |
| 03:35 PM - 03:40 PM | 48.8 | 56.3 | -7.5 | 7.0 | - | 44.8 | 54.1 | -9.3 |
| 03:40 PM - 03:45 PM | 48.1 | 56.3 | -8.2 | 7.0 | - | 44.1 | 54.1 | -10.0 |
| 03:45 PM - 03:50 PM | 54.4 | 56.3 | -1.9 | 7.0 | - | 50.4 | 54.1 | -3.7 |
| 03:50 PM - 03:55 PM | 48.1 | 56.3 | -8.2 | 7.0 | - | 44.1 | 54.1 | -10.0 |
| 03:55 PM - 04:00 PM | 47.7 | 56.3 | -8.6 | 7.0 | - | 43.7 | 54.1 | -10.4 |
| 04:00 PM - 04:05 PM | 54.9 | 56.3 | -1.4 | 7.0 | - | 50.9 | 54.1 | -3.2 |
| 04:05 PM - 04:10 PM | 53.7 | 56.3 | -2.6 | 7.0 | - | 49.7 | 54.1 | -4.4 |
| 04:10 PM - 04:15 PM | 53.0 | 56.3 | -3.3 | 7.0 | - | 49.0 | 54.1 | -5.1 |
| 04:15 PM - 04:20 PM | 49.5 | 56.3 | -6.8 | 7.0 | - | 45.5 | 54.1 | -8.8 |
| 04:20 PM - 04:25 PM | 48.6 | 56.3 | -7.7 | 7.0 | - | 44.6 | 54.1 | -9.5 |
| 04:25 PM - 04:30 PM | 48.4 | 56.3 | -7.9 | 7.0 | - | 44.4 | 54.1 | -9.7 |
| 04:30 PM - 04:35 PM | 47.0 | 56.3 | -9.3 | 7.0 | - | 43.0 | 54.1 | -11.1 |
| 04:35 PM - 04:40 PM | 46.8 | 56.3 | -9.5 | 7.0 | - | 42.8 | 54.1 | -11.3 |
| 04:40 PM - 04:45 PM | 46.4 | 56.3 | -9.9 | 7.0 | - | 42.4 | 54.1 | -11.7 |
| 04:45 PM - 04:50 PM | 46.3 | 56.3 | -10.0 | 7.0 | - | 42.3 | 54.1 | -11.8 |
| 04:50 PM - 04:55 PM | 46.6 | 56.3 | -9.7 | 7.0 | - | 42.6 | 54.1 | -11.5 |
| 04:55 PM - 05:00 PM | 45.9 | 56.3 | -10.4 | 7.0 | - | 41.9 | 54.1 | -12.2 |
| 05:00 PM - 05:05 PM | 45.5 | 56.3 | -10.8 | 7.0 | - | 41.5 | 54.1 | -12.6 |
| 05:05 PM - 05:10 PM | 46.0 | 56.3 | -10.3 | 7.0 | - | 42.0 | 54.1 | -12.1 |
| 05:10 PM - 05:15 PM | 54.8 | 56.3 | -1.5 | 7.0 | - | 50.8 | 54.1 | -6.7 |
| 05:15 PM - 05:20 PM | 46.6 | 56.3 | -9.7 | 7.0 | - | 42.6 | 54.1 | -11.5 |

The above results are valid only for the analyzed tested sample(s) as indicated in this report. The rest of this report or certificate may be reproduced in any form without prior consent from the Laboratory. ALS Laboratory Group (Thailand) Private Limited warrants that this report is not fraudulent except in full.

Approved by 
Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. AN ALS LIMITED COMPANY

Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyaphon, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402109-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Sample No. 2286957-20
Parameter เลื่อนทวน
Location West Fence (GPS 47P 0731650, 1438138)
Measurement Date Aug 06 - 07, 2022
Measurement by Sattha Phetsawang
Sound Level Meter 01222724

| ระดับเสียง (dB(A)) | | | | | | | | |
|---------------------|---------------------|-----------------------|--------|------------|----------------------------|---------|---------------------|----------------|
| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐานการรบกวน | ค่ารวมการรบกวน |
| | | | | | กลางวัน | กลางคืน | | |
| 03:35 AM - 03:40 AM | 64.1 | 61.9 | 2.2 | 4.5 | - | 62.6 | 61.5 | 1.1 |
| 03:40 AM - 03:45 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 03:45 AM - 03:50 AM | 62.3 | 61.9 | 0.4 | 7.0 | - | 58.3 | 61.5 | -3.2 |
| 03:50 AM - 03:55 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 03:55 AM - 04:00 AM | 62.2 | 61.9 | 0.3 | 7.0 | - | 58.2 | 61.5 | -3.3 |
| 04:00 AM - 04:05 AM | 63.2 | 61.9 | 1.3 | 7.0 | - | 59.2 | 61.5 | -2.3 |
| 04:05 AM - 04:10 AM | 62.3 | 61.9 | 0.4 | 7.0 | - | 58.3 | 61.5 | -3.2 |
| 04:10 AM - 04:15 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 04:15 AM - 04:20 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 04:20 AM - 04:25 AM | 64.5 | 61.9 | 2.6 | 3.0 | - | 64.5 | 61.5 | 3.0 |
| 04:25 AM - 04:30 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 04:30 AM - 04:35 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 04:35 AM - 04:40 AM | 61.6 | 61.9 | -0.3 | 7.0 | - | 57.6 | 61.5 | -3.9 |
| 04:40 AM - 04:45 AM | 61.5 | 61.9 | -0.4 | 7.0 | - | 57.5 | 61.5 | -4.0 |
| 04:45 AM - 04:50 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 04:50 AM - 04:55 AM | 61.5 | 61.9 | -0.4 | 7.0 | - | 57.5 | 61.5 | -4.0 |
| 04:55 AM - 05:00 AM | 61.0 | 61.9 | -0.9 | 7.0 | - | 57.0 | 61.5 | -4.5 |
| 05:00 AM - 05:05 AM | 61.9 | 61.9 | 0.0 | 7.0 | - | 57.9 | 61.5 | -3.6 |
| 05:05 AM - 05:10 AM | 61.6 | 61.9 | -0.3 | 7.0 | - | 57.6 | 61.5 | -3.9 |
| 05:10 AM - 05:15 AM | 62.2 | 61.9 | 0.3 | 7.0 | - | 58.2 | 61.5 | -3.3 |
| 05:15 AM - 05:20 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 05:20 AM - 05:25 AM | 61.2 | 61.9 | -0.7 | 7.0 | - | 57.2 | 61.5 | -4.3 |
| 05:25 AM - 05:30 AM | 61.1 | 61.9 | -0.8 | 7.0 | - | 57.1 | 61.5 | -4.4 |
| 05:30 AM - 05:35 AM | 61.6 | 61.9 | -0.3 | 7.0 | - | 57.6 | 61.5 | -3.9 |
| 05:35 AM - 05:40 AM | 63.2 | 61.9 | 1.3 | 7.0 | - | 59.2 | 61.5 | -2.3 |
| 05:40 AM - 05:45 AM | 62.2 | 61.9 | 0.3 | 7.0 | - | 58.2 | 61.5 | -3.3 |
| 05:45 AM - 05:50 AM | 63.2 | 61.9 | 1.3 | 7.0 | - | 59.2 | 61.5 | -2.3 |
| 05:50 AM - 05:55 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 05:55 AM - 06:00 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 06:00 AM - 07:00 AM | 63.9 | 62.0 | 1.9 | 4.5 | 59.4 | - | 61.2 | -1.8 |
| 07:00 AM - 08:00 AM | 65.6 | 62.0 | 3.6 | 2.0 | 63.6 | - | 61.2 | 2.4 |
| 08:00 AM - 09:00 AM | 61.8 | 62.0 | -0.2 | 7.0 | 54.8 | - | 61.2 | 0.6 |
| รวมค่าเฉลี่ย | | | | | | | | |
| | | | | | | | | 61.0 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong
Thailand 21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402111-1

Page 3 of 3

Sample No. : 2286957-22
Parameter : เสียงรบกวน
Location : Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325)
Measurement Date : Aug 02 - 03, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 01173609

| ฐานเสียง (dB(A)) | | | | | | | | |
|---------------------|---------------------|-----------------------|------------------|------------|-----------------------------------|------|--------------|----------------|
| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิดกลางคืน | | เสียงพื้นฐาน | ค่ารวมการรบกวน |
| 04:00 AM - 04:05 AM | 61.0 | 56.3 | -4.7 | 1.5 | - | 62.5 | 54.1 | 8.4 |
| 04:05 AM - 04:10 AM | 49.0 | 56.3 | -7.3 | 7.0 | - | 45.0 | 54.1 | -9.1 |
| 04:10 AM - 04:15 AM | 46.6 | 56.3 | -9.7 | 7.0 | - | 42.6 | 54.1 | -11.5 |
| 04:15 AM - 04:20 AM | 46.8 | 56.3 | -9.5 | 7.0 | - | 42.8 | 54.1 | -11.3 |
| 04:20 AM - 04:25 AM | 46.4 | 56.3 | -9.9 | 7.0 | - | 42.4 | 54.1 | -11.7 |
| 04:25 AM - 04:30 AM | 47.1 | 56.3 | -9.2 | 7.0 | - | 43.1 | 54.1 | -11.0 |
| 04:30 AM - 04:35 AM | 48.0 | 56.3 | -8.3 | 7.0 | - | 44.0 | 54.1 | -10.1 |
| 04:35 AM - 04:40 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 04:40 AM - 04:45 AM | 46.2 | 56.3 | -10.1 | 7.0 | - | 42.2 | 54.1 | -11.9 |
| 04:45 AM - 04:50 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 04:50 AM - 04:55 AM | 47.2 | 56.3 | -9.1 | 7.0 | - | 43.2 | 54.1 | -10.9 |
| 04:55 AM - 05:00 AM | 47.4 | 56.3 | -8.9 | 7.0 | - | 43.4 | 54.1 | -10.7 |
| 05:00 AM - 05:05 AM | 47.7 | 56.3 | -8.6 | 7.0 | - | 43.7 | 54.1 | -10.4 |
| 05:05 AM - 05:10 AM | 51.6 | 56.3 | -4.7 | 7.0 | - | 47.6 | 54.1 | -6.5 |
| 05:10 AM - 05:15 AM | 55.7 | 56.3 | -0.6 | 7.0 | - | 51.7 | 54.1 | -2.4 |
| 05:15 AM - 05:20 AM | 59.3 | 56.3 | -3.0 | 7.0 | - | 46.3 | 54.1 | -7.8 |
| 05:20 AM - 05:25 AM | 48.9 | 56.3 | -7.4 | 7.0 | - | 44.9 | 54.1 | -9.2 |
| 05:25 AM - 05:30 AM | 54.8 | 56.3 | -1.5 | 7.0 | - | 50.8 | 54.1 | -3.3 |
| 05:30 AM - 05:35 AM | 54.1 | 56.3 | -2.2 | 7.0 | - | 50.1 | 54.1 | -4.0 |
| 05:35 AM - 05:40 AM | 56.5 | 56.3 | 0.2 | 7.0 | - | 52.5 | 54.1 | -1.6 |
| 05:40 AM - 05:45 AM | 52.3 | 56.3 | -4.0 | 7.0 | - | 48.3 | 54.1 | -5.8 |
| 05:45 AM - 05:50 AM | 52.3 | 56.3 | -4.0 | 7.0 | - | 48.3 | 54.1 | -5.8 |
| 05:50 AM - 05:55 AM | 56.4 | 56.3 | 0.1 | 7.0 | - | 52.4 | 54.1 | -1.7 |
| 05:55 AM - 06:00 AM | 51.1 | 56.3 | -5.2 | 7.0 | - | 47.1 | 54.1 | -7.0 |
| 06:00 AM - 07:00 AM | 57.1 | 59.5 | -2.4 | 7.0 | 50.1 | - | 54.5 | -4.4 |
| 07:00 AM - 08:00 AM | 61.0 | 59.5 | 1.5 | 4.5 | 56.5 | - | 54.5 | 2.0 |
| 08:00 AM - 09:00 AM | 62.4 | 59.5 | 2.9 | 3.0 | 59.4 | - | 54.5 | 4.9 |
| 09:00 AM - 10:00 AM | 55.1 | 59.5 | -4.4 | 7.0 | - | 54.1 | 54.5 | -4.4 |
| 10:00 AM - 11:00 AM | 55.9 | 59.5 | -3.6 | 7.0 | - | 48.9 | 54.5 | -5.6 |
| 11:00 AM - 12:00 PM | 54.3 | 59.5 | -5.2 | 7.0 | 47.3 | - | 54.5 | -7.2 |
| 12:00 PM - 01:00 PM | 55.2 | 59.5 | -4.3 | 7.0 | 48.2 | - | 54.5 | -6.3 |
| 01:00 PM - 02:00 PM | 56.7 | 59.5 | -2.8 | 7.0 | 49.7 | - | 54.5 | -4.8 |
| ค่าเฉลี่ยรวม | | | | | | | | ≤ 10 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ :
1. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่ส่งผลกระทบต่อสุขภาพการประกอบกิจการโรงงาน พ.ศ. 2558
 2. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่ส่งผลกระทบต่อสุขภาพการประกอบกิจการโรงงาน พ.ศ. 2550
 3. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่ส่งผลกระทบต่อสุขภาพการประกอบกิจการโรงงาน พ.ศ. 2550 และประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่ส่งผลกระทบต่อสุขภาพการประกอบกิจการโรงงาน พ.ศ. 2551
 4. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่ส่งผลกระทบต่อสุขภาพการประกอบกิจการโรงงาน พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด : 04:00-05:00 ชั่วโมง 2565
ระดับเสียงพื้นฐานและระดับเสียงการรบกวน : (ข้อมูลจากผลการตรวจวัดและคำนวณตามมาตรฐานเสียงรบกวน (EIA) พ.ศ. 2557 วันที่ตรวจวัด 27 พฤษภาคม-01 มิถุนายน 2557)

The above results are valid only for the analysis period specified and are not to be used for any other purpose. No part of this report or data shall be reproduced in any form without written consent from the Laboratory & ALS Limited Company (Thailand).
Any reuse or modification of this report is not recommended except in full.

Approved by

Dej Changnon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Life Sciences

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RIGHT SOLUTIONS FOR YOUR PROBLEM



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong
Thailand 21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402111-1

Page 2 of 3

Sample No. : 2286957-22
Parameter : เสียงรบกวน
Location : Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325)
Measurement Date : Aug 03 - 04, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 01173609

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่ารวมการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|-------------------------------|-----------------------------|--------------|----------------|
| | | | | | กลางคืน (L _{night}) | กลางวัน (L _{day}) | | |
| 12:40 AM - 12:45 AM | 46.3 | 56.3 | -10.0 | 7.0 | - | 42.3 | 54.1 | -11.8 |
| 12:45 AM - 12:50 AM | 46.3 | 56.3 | -10.0 | 7.0 | - | 42.3 | 54.1 | -11.8 |
| 12:50 AM - 12:55 AM | 51.6 | 56.3 | -4.7 | 7.0 | - | 47.6 | 54.1 | -6.5 |
| 12:55 AM - 01:00 AM | 46.0 | 56.3 | -10.3 | 7.0 | - | 42.0 | 54.1 | -12.1 |
| 01:00 AM - 01:05 AM | 46.5 | 56.3 | -9.8 | 7.0 | - | 42.5 | 54.1 | -11.6 |
| 01:05 AM - 01:10 AM | 46.5 | 56.3 | -9.8 | 7.0 | - | 42.5 | 54.1 | -11.6 |
| 01:10 AM - 01:15 AM | 45.6 | 56.3 | -10.7 | 7.0 | - | 41.6 | 54.1 | -12.5 |
| 01:15 AM - 01:20 AM | 45.5 | 56.3 | -10.8 | 7.0 | - | 41.5 | 54.1 | -12.6 |
| 01:20 AM - 01:25 AM | 45.3 | 56.3 | -11.0 | 7.0 | - | 41.3 | 54.1 | -12.8 |
| 01:25 AM - 01:30 AM | 45.1 | 56.3 | -11.2 | 7.0 | - | 41.1 | 54.1 | -13.0 |
| 01:30 AM - 01:35 AM | 50.4 | 56.3 | -5.9 | 7.0 | - | 46.4 | 54.1 | -7.7 |
| 01:35 AM - 01:40 AM | 45.5 | 56.3 | -10.8 | 7.0 | - | 41.5 | 54.1 | -12.6 |
| 01:40 AM - 01:45 AM | 45.7 | 56.3 | -10.6 | 7.0 | - | 41.7 | 54.1 | -12.4 |
| 01:45 AM - 01:50 AM | 45.6 | 56.3 | -10.7 | 7.0 | - | 41.6 | 54.1 | -12.5 |
| 01:50 AM - 01:55 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 01:55 AM - 02:00 AM | 49.1 | 56.3 | -7.2 | 7.0 | - | 45.1 | 54.1 | -9.0 |
| 02:00 AM - 02:05 AM | 45.9 | 56.3 | -10.4 | 7.0 | - | 41.9 | 54.1 | -12.2 |
| 02:05 AM - 02:10 AM | 46.5 | 56.3 | -9.8 | 7.0 | - | 42.5 | 54.1 | -11.6 |
| 02:10 AM - 02:15 AM | 46.5 | 56.3 | -9.8 | 7.0 | - | 42.5 | 54.1 | -11.6 |
| 02:15 AM - 02:20 AM | 46.2 | 56.3 | -10.1 | 7.0 | - | 42.2 | 54.1 | -11.9 |
| 02:20 AM - 02:25 AM | 46.0 | 56.3 | -10.3 | 7.0 | - | 42.0 | 54.1 | -12.1 |
| 02:25 AM - 02:30 AM | 46.0 | 56.3 | -10.3 | 7.0 | - | 42.0 | 54.1 | -12.1 |
| 02:30 AM - 02:35 AM | 49.1 | 56.3 | -7.2 | 7.0 | - | 45.1 | 54.1 | -9.0 |
| 02:35 AM - 02:40 AM | 46.0 | 56.3 | -10.3 | 7.0 | - | 42.0 | 54.1 | -12.1 |
| 02:40 AM - 02:45 AM | 46.0 | 56.3 | -10.3 | 7.0 | - | 42.0 | 54.1 | -12.1 |
| 02:45 AM - 02:50 AM | 50.2 | 56.3 | -6.1 | 7.0 | - | 46.1 | 54.1 | -7.9 |
| 02:50 AM - 02:55 AM | 45.5 | 56.3 | -10.8 | 7.0 | - | 41.5 | 54.1 | -12.6 |
| 02:55 AM - 03:00 AM | 45.7 | 56.3 | -10.6 | 7.0 | - | 41.7 | 54.1 | -12.4 |
| 03:00 AM - 03:05 AM | 45.7 | 56.3 | -10.6 | 7.0 | - | 41.7 | 54.1 | -12.4 |
| 03:05 AM - 03:10 AM | 45.9 | 56.3 | -10.4 | 7.0 | - | 41.9 | 54.1 | -12.2 |
| 03:10 AM - 03:15 AM | 45.8 | 56.3 | -10.5 | 7.0 | - | 41.8 | 54.1 | -12.3 |
| 03:15 AM - 03:20 AM | 46.0 | 56.3 | -10.3 | 7.0 | - | 42.0 | 54.1 | -12.1 |
| 03:20 AM - 03:25 AM | 46.0 | 56.3 | -10.3 | 7.0 | - | 42.0 | 54.1 | -12.1 |
| 03:25 AM - 03:30 AM | 46.5 | 56.3 | -9.8 | 7.0 | - | 42.5 | 54.1 | -11.6 |
| 03:30 AM - 03:35 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 03:35 AM - 03:40 AM | 46.2 | 56.3 | -10.1 | 7.0 | - | 42.2 | 54.1 | -11.9 |
| 03:40 AM - 03:45 AM | 46.2 | 56.3 | -10.1 | 7.0 | - | 42.2 | 54.1 | -11.9 |
| 03:45 AM - 03:50 AM | 46.3 | 56.3 | -10.0 | 7.0 | - | 42.3 | 54.1 | -11.8 |
| 03:50 AM - 03:55 AM | 46.6 | 56.3 | -9.7 | 7.0 | - | 42.6 | 54.1 | -11.5 |
| 03:55 AM - 04:00 AM | 46.5 | 56.3 | -9.8 | 7.0 | - | 42.5 | 54.1 | -11.6 |

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Approved by

Dej Changnon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Life Sciences

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RIGHT SOLUTIONS FOR YOUR PROBLEM



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong
Thailand 21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402111-1

Page 1 of 3

Sample No. : 2286957-22
Parameter : เสียงรบกวน
Location : Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325)
Measurement Date : Aug 03 - 04, 2022
Measurement by : Satcha Phetsaewang
Sound Level Meter : 01173609

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่ารวมการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|----------------|
| | | | ผลต่าง | ตัวปรับค่า | กลางคืน | กลางวัน | | |
| 02:00 PM - 03:00 PM | 56.1 | 59.5 | -3.4 | 7.0 | 49.1 | - | 54.5 | -5.4 |
| 03:00 PM - 04:00 PM | 58.3 | 59.5 | -1.2 | 7.0 | 51.3 | - | 54.5 | -3.2 |
| 04:00 PM - 05:00 PM | 57.5 | 59.5 | -2.0 | 7.0 | 50.5 | - | 54.5 | -4.0 |
| 05:00 PM - 06:00 PM | 60.1 | 59.5 | 0.6 | 7.0 | 53.1 | - | 54.5 | -1.4 |
| 06:00 PM - 07:00 PM | 61.8 | 59.5 | 2.3 | 4.5 | 57.3 | - | 54.5 | 2.8 |
| 07:00 PM - 08:00 PM | 61.6 | 59.5 | 2.1 | 4.5 | 57.1 | - | 54.5 | 2.6 |
| 08:00 PM - 09:00 PM | 62.0 | 59.5 | 2.5 | 3.0 | 59.0 | - | 54.5 | 4.5 |
| 09:00 PM - 10:00 PM | 55.5 | 59.5 | -4.0 | 7.0 | 48.5 | - | 54.5 | -6.0 |
| 10:00 PM - 10:05 PM | 53.0 | 56.3 | -3.3 | 7.0 | - | 49.0 | 54.1 | -5.1 |
| 10:05 PM - 10:10 PM | 55.9 | 56.3 | -0.4 | 7.0 | - | 51.9 | 54.1 | -2.2 |
| 10:10 PM - 10:15 PM | 56.4 | 56.3 | 0.1 | 7.0 | - | 52.4 | 54.1 | -1.7 |
| 10:15 PM - 10:20 PM | 59.1 | 56.3 | 2.8 | 3.0 | - | 59.1 | 54.1 | 5.0 |
| 10:20 PM - 10:25 PM | 59.5 | 56.3 | 3.2 | 3.0 | - | 59.5 | 54.1 | 5.4 |
| 10:25 PM - 10:30 PM | 58.2 | 56.3 | 1.9 | 4.5 | - | 56.7 | 54.1 | 2.6 |
| 10:30 PM - 10:35 PM | 56.7 | 56.3 | 0.4 | 7.0 | - | 52.7 | 54.1 | -1.4 |
| 10:35 PM - 10:40 PM | 55.5 | 56.3 | -0.8 | 7.0 | - | 51.5 | 54.1 | -2.6 |
| 10:40 PM - 10:45 PM | 56.2 | 56.3 | -0.1 | 7.0 | - | 52.2 | 54.1 | -1.9 |
| 10:45 PM - 10:50 PM | 52.6 | 56.3 | -3.7 | 7.0 | - | 48.6 | 54.1 | -5.5 |
| 10:50 PM - 10:55 PM | 51.7 | 56.3 | -4.6 | 7.0 | - | 47.7 | 54.1 | -6.4 |
| 10:55 PM - 11:00 PM | 54.1 | 56.3 | -2.2 | 7.0 | - | 50.1 | 54.1 | -4.0 |
| 11:00 PM - 11:05 PM | 49.8 | 56.3 | -6.5 | 7.0 | - | 45.8 | 54.1 | -8.3 |
| 11:05 PM - 11:10 PM | 57.3 | 56.3 | 1.0 | 7.0 | - | 53.3 | 54.1 | -0.8 |
| 11:10 PM - 11:15 PM | 50.3 | 56.3 | -6.0 | 7.0 | - | 46.3 | 54.1 | -7.8 |
| 11:15 PM - 11:20 PM | 49.7 | 56.3 | -6.6 | 7.0 | - | 45.7 | 54.1 | -8.4 |
| 11:20 PM - 11:25 PM | 51.0 | 56.3 | -5.3 | 7.0 | - | 47.0 | 54.1 | -7.1 |
| 11:25 PM - 11:30 PM | 50.7 | 56.3 | -5.6 | 7.0 | - | 46.7 | 54.1 | -7.4 |
| 11:30 PM - 11:35 PM | 50.9 | 56.3 | -5.7 | 7.0 | - | 46.8 | 54.1 | -7.5 |
| 11:35 PM - 11:40 PM | 47.9 | 56.3 | -8.4 | 7.0 | - | 43.9 | 54.1 | -10.2 |
| 11:40 PM - 11:45 PM | 48.0 | 56.3 | -8.3 | 7.0 | - | 44.0 | 54.1 | -10.1 |
| 11:45 PM - 11:50 PM | 56.3 | 56.3 | 0.0 | 7.0 | - | 56.3 | 54.1 | -2.2 |
| 11:50 PM - 11:55 PM | 47.7 | 56.3 | -8.6 | 7.0 | - | 43.7 | 54.1 | -10.4 |
| 11:55 PM - 12:00 AM | 59.0 | 56.3 | 2.7 | 3.0 | - | 59.0 | 54.1 | 4.9 |
| 12:00 AM - 12:05 AM | 47.7 | 56.3 | -8.6 | 7.0 | - | 43.7 | 54.1 | -10.4 |
| 12:05 AM - 12:10 AM | 47.7 | 56.3 | -8.6 | 7.0 | - | 43.7 | 54.1 | -10.4 |
| 12:10 AM - 12:15 AM | 56.2 | 56.3 | -0.9 | 7.0 | - | 56.2 | 54.1 | -2.1 |
| 12:15 AM - 12:20 AM | 47.7 | 56.3 | -8.6 | 7.0 | - | 43.7 | 54.1 | -10.4 |
| 12:20 AM - 12:25 AM | 47.4 | 56.3 | -8.9 | 7.0 | - | 43.4 | 54.1 | -10.7 |
| 12:25 AM - 12:30 AM | 47.1 | 56.3 | -9.2 | 7.0 | - | 43.1 | 54.1 | -11.0 |
| 12:30 AM - 12:35 AM | 51.7 | 56.3 | -4.6 | 7.0 | - | 47.7 | 54.1 | -6.4 |
| 12:35 AM - 12:40 AM | 49.1 | 56.3 | -7.2 | 7.0 | - | 45.1 | 54.1 | -9.0 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402112-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 1 of 3

Sample No. 2286957-23
Parameter เสียงรบกวน
Location Moo 3 Mabyangpang (N1) (GPS 47P 0731180, 1438325)
Measurement Date Aug 04 - 05, 2022
Measurement by Satcha Phetsawang
Sound Level Meter 01173609

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|---------|----------------------------|---------|-------------|------------------|
| | | | ผลต่าง | ค่าปรับ | ค่าปรับ | ค่าปรับ | | |
| 02:00 PM - 03:00 PM | 51.8 | 59.5 | -7.7 | 7.0 | 41.8 | - | 54.5 | -9.7 |
| 03:00 PM - 04:00 PM | 55.2 | 59.5 | -4.3 | 7.0 | 48.2 | - | 54.5 | -6.3 |
| 04:00 PM - 05:00 PM | 53.7 | 59.5 | -5.8 | 7.0 | 46.7 | - | 54.5 | -7.8 |
| 05:00 PM - 06:00 PM | 59.2 | 59.5 | -0.3 | 7.0 | 52.2 | - | 54.5 | -2.3 |
| 06:00 PM - 07:00 PM | 59.1 | 59.5 | -0.4 | 7.0 | 52.1 | - | 54.5 | -2.4 |
| 07:00 PM - 08:00 PM | 59.2 | 59.5 | -0.3 | 7.0 | 52.2 | - | 54.5 | -2.3 |
| 08:00 PM - 09:00 PM | 61.9 | 59.5 | 2.4 | 4.5 | 57.4 | - | 54.5 | 2.9 |
| 09:00 PM - 10:00 PM | 53.3 | 59.5 | -6.2 | 7.0 | 46.3 | - | 54.5 | -8.2 |
| 10:00 PM - 10:05 PM | 50.9 | 56.3 | -5.4 | 7.0 | - | 46.9 | 54.1 | -7.9 |
| 10:05 PM - 10:10 PM | 52.9 | 56.3 | -3.4 | 7.0 | - | 48.9 | 54.1 | -5.2 |
| 10:10 PM - 10:15 PM | 55.5 | 56.3 | -0.8 | 7.0 | - | 51.5 | 54.1 | -2.6 |
| 10:15 PM - 10:20 PM | 48.9 | 56.3 | -7.4 | 7.0 | - | 44.9 | 54.1 | -9.2 |
| 10:20 PM - 10:25 PM | 46.9 | 56.3 | -9.4 | 7.0 | - | 42.9 | 54.1 | -11.2 |
| 10:25 PM - 10:30 PM | 46.8 | 56.3 | -9.5 | 7.0 | - | 42.8 | 54.1 | -11.3 |
| 10:30 PM - 10:35 PM | 46.8 | 56.3 | -9.5 | 7.0 | - | 42.8 | 54.1 | -11.3 |
| 10:35 PM - 10:40 PM | 48.4 | 56.3 | -7.9 | 7.0 | - | 44.4 | 54.1 | -9.7 |
| 10:40 PM - 10:45 PM | 50.9 | 56.3 | -5.4 | 7.0 | - | 46.9 | 54.1 | -7.2 |
| 10:45 PM - 10:50 PM | 47.2 | 56.3 | -9.1 | 7.0 | - | 43.2 | 54.1 | -10.9 |
| 10:50 PM - 10:55 PM | 51.0 | 56.3 | -5.3 | 7.0 | - | 47.0 | 54.1 | -7.1 |
| 10:55 PM - 11:00 PM | 50.3 | 56.3 | -6.0 | 7.0 | - | 46.3 | 54.1 | -7.8 |
| 11:00 PM - 11:05 PM | 47.4 | 56.3 | -8.9 | 7.0 | - | 43.4 | 54.1 | -10.7 |
| 11:05 PM - 11:10 PM | 51.7 | 56.3 | -4.6 | 7.0 | - | 47.7 | 54.1 | -6.4 |
| 11:10 PM - 11:15 PM | 47.3 | 56.3 | -9.0 | 7.0 | - | 43.3 | 54.1 | -10.8 |
| 11:15 PM - 11:20 PM | 52.9 | 56.3 | -3.4 | 7.0 | - | 49.3 | 54.1 | -5.2 |
| 11:20 PM - 11:25 PM | 51.3 | 56.3 | -5.0 | 7.0 | - | 47.3 | 54.1 | -6.8 |
| 11:25 PM - 11:30 PM | 46.9 | 56.3 | -9.4 | 7.0 | - | 42.9 | 54.1 | -11.2 |
| 11:30 PM - 11:35 PM | 52.9 | 56.3 | -3.4 | 7.0 | - | 49.3 | 54.1 | -5.2 |
| 11:35 PM - 11:40 PM | 45.9 | 56.3 | -10.4 | 7.0 | - | 41.9 | 54.1 | -12.2 |
| 11:40 PM - 11:45 PM | 48.1 | 56.3 | -8.2 | 7.0 | - | 44.1 | 54.1 | -10.0 |
| 11:45 PM - 11:50 PM | 46.3 | 56.3 | -10.0 | 7.0 | - | 42.3 | 54.1 | -11.8 |
| 11:50 PM - 11:55 PM | 48.9 | 56.3 | -7.4 | 7.0 | - | 44.9 | 54.1 | -7.2 |
| 11:55 PM - 12:00 AM | 45.6 | 56.3 | -10.7 | 7.0 | - | 41.6 | 54.1 | -12.5 |
| 12:00 AM - 12:05 AM | 58.4 | 56.3 | 2.1 | 4.5 | - | 56.9 | 54.1 | 2.8 |
| 12:05 AM - 12:10 AM | 64.7 | 56.3 | 8.4 | 0.5 | - | 67.2 | 54.1 | 13.1 |
| 12:10 AM - 12:15 AM | 50.9 | 56.3 | -5.4 | 7.0 | - | 46.9 | 54.1 | -7.2 |
| 12:15 AM - 12:20 AM | 54.4 | 56.3 | -1.9 | 7.0 | - | 50.4 | 54.1 | -3.7 |
| 12:20 AM - 12:25 AM | 44.3 | 56.3 | -12.0 | 7.0 | - | 40.3 | 54.1 | -13.8 |
| 12:25 AM - 12:30 AM | 45.1 | 56.3 | -11.2 | 7.0 | - | 41.1 | 54.1 | -13.0 |
| 12:30 AM - 12:35 AM | 60.5 | 56.3 | 4.2 | 2.0 | - | 61.5 | 54.1 | 7.4 |
| 12:35 AM - 12:40 AM | 49.0 | 56.3 | -7.3 | 7.0 | - | 45.0 | 54.1 | -9.1 |

This report is valid only for the work described herein. It is not to be used for any other purpose without the consent of the Laboratory. A Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Dej Chongchon
Manager

ADDRESS 616/10 Moo 5 T. Manan Khru A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402112-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 2 of 3

Sample No. 2286957-23
Parameter เสียงรบกวน
Location Moo 3 Mabyangpang (N1) (GPS 47P 0731180, 1438325)
Measurement Date Aug 04 - 05, 2022
Measurement by Satcha Phetsawang
Sound Level Meter 01173609

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|---------|----------------------------|---------|-------------|------------------|
| | | | ผลต่าง | ค่าปรับ | ค่าปรับ | ค่าปรับ | | |
| 04:00 AM - 04:05 AM | 45.1 | 56.3 | -11.2 | 7.0 | - | 41.1 | 54.1 | -13.0 |
| 04:05 AM - 04:10 AM | 44.6 | 56.3 | -11.7 | 7.0 | - | 40.6 | 54.1 | -13.5 |
| 04:10 AM - 04:15 AM | 45.7 | 56.3 | -10.6 | 7.0 | - | 41.7 | 54.1 | -12.4 |
| 04:15 AM - 04:20 AM | 53.7 | 56.3 | -2.6 | 7.0 | - | 49.7 | 54.1 | -4.4 |
| 04:20 AM - 04:25 AM | 45.2 | 56.3 | -11.1 | 7.0 | - | 41.2 | 54.1 | -12.9 |
| 04:25 AM - 04:30 AM | 48.8 | 56.3 | -7.5 | 7.0 | - | 44.8 | 54.1 | -9.3 |
| 04:30 AM - 04:35 AM | 48.7 | 56.3 | -7.6 | 7.0 | - | 44.7 | 54.1 | -9.4 |
| 04:35 AM - 04:40 AM | 45.0 | 56.3 | -11.3 | 7.0 | - | 41.0 | 54.1 | -13.1 |
| 04:40 AM - 04:45 AM | 48.0 | 56.3 | -8.3 | 7.0 | - | 44.0 | 54.1 | -10.1 |
| 04:45 AM - 04:50 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 04:50 AM - 04:55 AM | 47.1 | 56.3 | -9.2 | 7.0 | - | 43.1 | 54.1 | -11.0 |
| 04:55 AM - 05:00 AM | 58.0 | 56.3 | 1.7 | 4.5 | - | 56.5 | 54.1 | 2.4 |
| 05:00 AM - 05:05 AM | 49.4 | 56.3 | -6.9 | 7.0 | - | 45.4 | 54.1 | -8.7 |
| 05:05 AM - 05:10 AM | 50.1 | 56.3 | -6.2 | 7.0 | - | 46.1 | 54.1 | -8.0 |
| 05:10 AM - 05:15 AM | 50.4 | 56.3 | -5.9 | 7.0 | - | 46.4 | 54.1 | -7.7 |
| 05:15 AM - 05:20 AM | 53.8 | 56.3 | -2.5 | 7.0 | - | 49.8 | 54.1 | -4.3 |
| 05:20 AM - 05:25 AM | 47.4 | 56.3 | -8.9 | 7.0 | - | 43.4 | 54.1 | -10.7 |
| 05:25 AM - 05:30 AM | 57.3 | 56.3 | 1.0 | 7.0 | - | 53.3 | 54.1 | -0.8 |
| 05:30 AM - 05:35 AM | 51.6 | 56.3 | -4.7 | 7.0 | - | 47.6 | 54.1 | -6.5 |
| 05:35 AM - 05:40 AM | 54.5 | 56.3 | -1.8 | 7.0 | - | 50.5 | 54.1 | -3.6 |
| 05:40 AM - 05:45 AM | 55.7 | 56.3 | -0.6 | 7.0 | - | 51.7 | 54.1 | -2.4 |
| 05:45 AM - 05:50 AM | 56.6 | 56.3 | 0.3 | 7.0 | - | 52.6 | 54.1 | -1.5 |
| 05:50 AM - 05:55 AM | 53.5 | 56.3 | -2.8 | 7.0 | - | 49.5 | 54.1 | -4.6 |
| 05:55 AM - 06:00 AM | 51.5 | 56.3 | -4.8 | 7.0 | - | 47.5 | 54.1 | -6.8 |
| 06:00 AM - 07:00 AM | 57.2 | 59.5 | -2.3 | 7.0 | 50.2 | - | 54.5 | -4.3 |
| 07:00 AM - 08:00 AM | 57.8 | 59.5 | -1.7 | 7.0 | 50.8 | - | 54.5 | -3.7 |
| 08:00 AM - 09:00 AM | 61.5 | 59.5 | 2.0 | 4.5 | 57.0 | - | 54.5 | 2.5 |
| 09:00 AM - 10:00 AM | 56.8 | 59.5 | -2.7 | 7.0 | 49.8 | - | 54.5 | -4.7 |
| 10:00 AM - 11:00 AM | 57.1 | 59.5 | -2.4 | 7.0 | 49.5 | - | 54.5 | -4.4 |
| 11:00 AM - 12:00 PM | 54.9 | 59.5 | -4.6 | 7.0 | 47.9 | - | 54.5 | -6.6 |
| 12:00 PM - 01:00 PM | 53.6 | 59.5 | -5.9 | 7.0 | 46.6 | - | 54.5 | -7.9 |
| 01:00 PM - 02:00 PM | 53.8 | 59.5 | -5.7 | 7.0 | 46.8 | - | 54.5 | -7.7 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ :
1. ผู้ประกอบการขอแจ้งว่า การคำนวณค่าเสียงรบกวนรวมจากแหล่งกำเนิดเสียงได้จากการประมาณค่าการรบกวน พ.ศ. 2548
 2. ผู้ประกอบการขอแจ้งว่า ผลการคำนวณค่าเสียงรบกวนรวมจากแหล่งกำเนิดเสียงได้จากการประมาณค่าการรบกวน พ.ศ. 2550
 3. ผู้ประกอบการขอแจ้งว่า ผลการคำนวณค่าเสียงรบกวนรวมจากแหล่งกำเนิดเสียงได้จากการประมาณค่าการรบกวน พ.ศ. 2552 และผลการคำนวณค่าเสียงรบกวนรวมจากแหล่งกำเนิดเสียงได้จากการประมาณค่าการรบกวน พ.ศ. 2553
 4. ผู้ประกอบการขอแจ้งว่า ผลการคำนวณค่าเสียงรบกวนรวมจากแหล่งกำเนิดเสียงได้จากการประมาณค่าการรบกวน พ.ศ. 2551
- ระดับเสียงรบกวนรวมที่คำนวณได้จากการประมาณค่าการรบกวน (EIA) พ.ศ. 2557 มีค่าระดับเสียงรบกวน 27 เดซิเบล (A) (2557)

Approved by

Dej Chongchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Manan Khru A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402112-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 2 of 3

Sample No. 2286957-23
Parameter เสียงรบกวน
Location Moo 3 Mabyangpang (N1) (GPS 47P 0731180, 1438325)
Measurement Date Aug 04 - 05, 2022
Measurement by Satcha Phetsawang
Sound Level Meter 01173609

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิดตามค่าจริง | เสียงที่ฐาน | ค่าระดับการรบกวน | |
|---------------------|---------------------|-----------------------|--------------------|---------|--------------------------------------|-------------|------------------|-------|
| | | | ผลต่าง | ค่าปรับ | | | | |
| 12:40 AM - 12:45 AM | 44.0 | 56.3 | -12.3 | 7.0 | - | 40.0 | 54.1 | -14.1 |
| 12:45 AM - 12:50 AM | 44.2 | 56.3 | -12.1 | 7.0 | - | 40.2 | 54.1 | -13.9 |
| 12:50 AM - 12:55 AM | 47.5 | 56.3 | -8.8 | 7.0 | - | 43.5 | 54.1 | -10.6 |
| 12:55 AM - 01:00 AM | 49.9 | 56.3 | -6.4 | 7.0 | - | 45.9 | 54.1 | -8.2 |
| 01:00 AM - 01:05 AM | 45.4 | 56.3 | -10.9 | 7.0 | - | 41.4 | 54.1 | -12.7 |
| 01:05 AM - 01:10 AM | 46.4 | 56.3 | -9.9 | 7.0 | - | 42.4 | 54.1 | -11.7 |
| 01:10 AM - 01:15 AM | 45.4 | 56.3 | -10.9 | 7.0 | - | 41.4 | 54.1 | -12.7 |
| 01:15 AM - 01:20 AM | 45.5 | 56.3 | -10.8 | 7.0 | - | 41.5 | 54.1 | -12.6 |
| 01:20 AM - 01:25 AM | 45.2 | 56.3 | -11.1 | 7.0 | - | 41.2 | 54.1 | -12.9 |
| 01:25 AM - 01:30 AM | 50.1 | 56.3 | -6.2 | 7.0 | - | 46.1 | 54.1 | -8.0 |
| 01:30 AM - 01:35 AM | 47.8 | 56.3 | -8.5 | 7.0 | - | 43.8 | 54.1 | -10.3 |
| 01:35 AM - 01:40 AM | 45.9 | 56.3 | -10.4 | 7.0 | - | 41.9 | 54.1 | -12.2 |
| 01:40 AM - 01:45 AM | 44.9 | 56.3 | -11.4 | 7.0 | - | 40.9 | 54.1 | -13.2 |
| 01:45 AM - 01:50 AM | 45.3 | 56.3 | -11.0 | 7.0 | - | 41.3 | 54.1 | -12.8 |
| 01:50 AM - 01:55 AM | 45.2 | 56.3 | -11.1 | 7.0 | - | 41.2 | 54.1 | -12.9 |
| 01:55 AM - 02:00 AM | 45.5 | 56.3 | -10.8 | 7.0 | - | 41.5 | 54.1 | -12.6 |
| 02:00 AM - 02:05 AM | 46.2 | 56.3 | -10.1 | 7.0 | - | 42.2 | 54.1 | -11.9 |
| 02:05 AM - 02:10 AM | 45.4 | 56.3 | -10.9 | 7.0 | - | 41.4 | 54.1 | -12.7 |
| 02:10 AM - 02:15 AM | 45.3 | 56.3 | -11.0 | 7.0 | - | 41.3 | 54.1 | -12.8 |
| 02:15 AM - 02:20 AM | 44.8 | 56.3 | -11.5 | 7.0 | - | 40.8 | 54.1 | -13.3 |
| 02:20 AM - 02:25 AM | 44.4 | 56.3 | -11.9 | 7.0 | - | 40.4 | 54.1 | -13.7 |
| 02:25 AM - 02:30 AM | 44.4 | 56.3 | -11.9 | 7.0 | - | 40.4 | 54.1 | -13.7 |
| 02:30 AM - 02:35 AM | 44.5 | 56.3 | -11.8 | 7.0 | - | 40.5 | 54.1 | -13.6 |
| 02:35 AM - 02:40 AM | 44.4 | 56.3 | -11.9 | 7.0 | - | 40.4 | 54.1 | -13.7 |
| 02:40 AM - 02:45 AM | 45.7 | 56.3 | -10.6 | 7.0 | - | 41.7 | 54.1 | -12.4 |
| 02:45 AM - 02:50 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 02:50 AM - 02:55 AM | 49.1 | 56.3 | -7.2 | 7.0 | - | 45.1 | 54.1 | -9.0 |
| 02:55 AM - 03:00 AM | 45.0 | 56.3 | -11.3 | 7.0 | - | 41.0 | 54.1 | -13.1 |
| 03:00 AM - 03:05 AM | 44.2 | 56.3 | -12.1 | 7.0 | - | 40.2 | 54.1 | -13.9 |
| 03:05 AM - 03:10 AM | 58.8 | 56.3 | 2.5 | 3.0 | - | 58.8 | 54.1 | -4.7 |
| 03:10 AM - 03:15 AM | 49.4 | 56.3 | -6.9 | 7.0 | - | 45.4 | 54.1 | -8.7 |
| 03:15 AM - 03:20 AM | 46.5 | 56.3 | -9.8 | 7.0 | - | 42.5 | 54.1 | -11.6 |
| 03:20 AM - 03:25 AM | 44.9 | 56.3 | -11.4 | 7.0 | - | 40.9 | 54.1 | -13.2 |
| 03:25 AM - 03:30 AM | 44.6 | 56.3 | -11.7 | 7.0 | - | 40.6 | 54.1 | -13.5 |
| 03:30 AM - 03:35 AM | 45.1 | 56.3 | -11.2 | 7.0 | - | 41.1 | 54.1 | -13.0 |
| 03:35 AM - 03:40 AM | 61.3 | 56.3 | 5.0 | 1.5 | - | 62.8 | 54.1 | -6.7 |
| 03:40 AM - 03:45 AM | 53.1 | 56.3 | -3.2 | 7.0 | - | 49.1 | 54.1 | -5.0 |
| 03:45 AM - 03:50 AM | 44.5 | 56.3 | -11.8 | 7.0 | - | 40.5 | 54.1 | -13.6 |
| 03:50 AM - 03:55 AM | 44.5 | 56.3 | -11.8 | 7.0 | - | 40.5 | 54.1 | -13.6 |
| 03:55 AM - 04:00 AM | 45.0 | 56.3 | -11.3 | 7.0 | - | 41.0 | 54.1 | -13.1 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402113-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 2 of 3

Sample No. 2286957-24
Parameter เลื่อนรบกวน
Location Moo 3 Mabyangorn (N1) (GPS 47P 0731180, 1438325)
Measurement Date Aug 05 - 06, 2022
Measurement by Satcha Phetsawang
Sound Level Meter 01173609

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนในกิจกรรม | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ตัวปรับค่าการรบกวน |
|---------------------|---------------------|---------------------|--------|------------|----------------------------|---------|--------------|--------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 12:40 AM - 12:45 AM | 44.6 | 56.3 | -11.7 | 7.0 | - | 40.6 | 54.1 | -13.5 |
| 12:45 AM - 12:50 AM | 45.0 | 56.3 | -11.3 | 7.0 | - | 41.0 | 54.1 | -13.1 |
| 12:50 AM - 12:55 AM | 44.3 | 56.3 | -12.0 | 7.0 | - | 40.3 | 54.1 | -13.8 |
| 12:55 AM - 01:00 AM | 44.9 | 56.3 | -11.4 | 7.0 | - | 40.9 | 54.1 | -13.2 |
| 01:00 AM - 01:05 AM | 55.2 | 56.3 | -1.1 | 7.0 | - | 51.2 | 54.1 | -2.9 |
| 01:05 AM - 01:10 AM | 44.2 | 56.3 | -12.1 | 7.0 | - | 40.2 | 54.1 | -13.9 |
| 01:10 AM - 01:15 AM | 45.9 | 56.3 | -10.4 | 7.0 | - | 41.9 | 54.1 | -12.2 |
| 01:15 AM - 01:20 AM | 46.7 | 56.3 | -9.6 | 7.0 | - | 42.7 | 54.1 | -11.4 |
| 01:20 AM - 01:25 AM | 48.0 | 56.3 | -8.3 | 7.0 | - | 44.0 | 54.1 | -10.1 |
| 01:25 AM - 01:30 AM | 46.9 | 56.3 | -9.4 | 7.0 | - | 42.9 | 54.1 | -11.2 |
| 01:30 AM - 01:35 AM | 44.6 | 56.3 | -11.7 | 7.0 | - | 40.6 | 54.1 | -13.5 |
| 01:35 AM - 01:40 AM | 45.1 | 56.3 | -11.2 | 7.0 | - | 41.1 | 54.1 | -13.0 |
| 01:40 AM - 01:45 AM | 45.5 | 56.3 | -10.8 | 7.0 | - | 41.5 | 54.1 | -12.6 |
| 01:45 AM - 01:50 AM | 44.3 | 56.3 | -12.0 | 7.0 | - | 40.3 | 54.1 | -13.8 |
| 01:50 AM - 01:55 AM | 44.5 | 56.3 | -11.8 | 7.0 | - | 40.5 | 54.1 | -13.6 |
| 01:55 AM - 02:00 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 02:00 AM - 02:05 AM | 44.8 | 56.3 | -11.5 | 7.0 | - | 40.8 | 54.1 | -13.3 |
| 02:05 AM - 02:10 AM | 44.3 | 56.3 | -12.0 | 7.0 | - | 40.3 | 54.1 | -13.8 |
| 02:10 AM - 02:15 AM | 44.2 | 56.3 | -12.1 | 7.0 | - | 40.2 | 54.1 | -13.9 |
| 02:15 AM - 02:20 AM | 54.9 | 56.3 | -1.4 | 7.0 | - | 50.9 | 54.1 | -3.2 |
| 02:20 AM - 02:25 AM | 48.5 | 56.3 | -7.8 | 7.0 | - | 44.5 | 54.1 | -9.6 |
| 02:25 AM - 02:30 AM | 48.7 | 56.3 | -7.6 | 7.0 | - | 44.7 | 54.1 | -9.4 |
| 02:30 AM - 02:35 AM | 44.3 | 56.3 | -12.0 | 7.0 | - | 40.3 | 54.1 | -13.8 |
| 02:35 AM - 02:40 AM | 46.5 | 56.3 | -9.8 | 7.0 | - | 42.5 | 54.1 | -11.6 |
| 02:40 AM - 02:45 AM | 44.5 | 56.3 | -11.8 | 7.0 | - | 40.5 | 54.1 | -13.6 |
| 02:45 AM - 02:50 AM | 45.0 | 56.3 | -11.3 | 7.0 | - | 41.0 | 54.1 | -13.1 |
| 02:50 AM - 02:55 AM | 49.1 | 56.3 | -7.2 | 7.0 | - | 45.1 | 54.1 | -8.8 |
| 02:55 AM - 03:00 AM | 44.3 | 56.3 | -12.0 | 7.0 | - | 40.3 | 54.1 | -13.8 |
| 03:00 AM - 03:05 AM | 44.6 | 56.3 | -11.7 | 7.0 | - | 40.6 | 54.1 | -13.5 |
| 03:05 AM - 03:10 AM | 44.8 | 56.3 | -11.5 | 7.0 | - | 40.8 | 54.1 | -13.3 |
| 03:10 AM - 03:15 AM | 44.8 | 56.3 | -11.5 | 7.0 | - | 40.8 | 54.1 | -13.3 |
| 03:15 AM - 03:20 AM | 44.6 | 56.3 | -11.7 | 7.0 | - | 40.6 | 54.1 | -13.5 |
| 03:20 AM - 03:25 AM | 44.2 | 56.3 | -12.1 | 7.0 | - | 40.2 | 54.1 | -13.9 |
| 03:25 AM - 03:30 AM | 44.9 | 56.3 | -11.4 | 7.0 | - | 40.9 | 54.1 | -13.2 |
| 03:30 AM - 03:35 AM | 44.4 | 56.3 | -11.9 | 7.0 | - | 40.4 | 54.1 | -13.7 |
| 03:35 AM - 03:40 AM | 44.5 | 56.3 | -11.8 | 7.0 | - | 40.5 | 54.1 | -13.6 |
| 03:40 AM - 03:45 AM | 44.5 | 56.3 | -11.8 | 7.0 | - | 40.5 | 54.1 | -13.6 |
| 03:45 AM - 03:50 AM | 44.4 | 56.3 | -11.9 | 7.0 | - | 40.4 | 54.1 | -13.7 |
| 03:50 AM - 03:55 AM | 44.2 | 56.3 | -12.1 | 7.0 | - | 40.2 | 54.1 | -13.9 |
| 03:55 AM - 04:00 AM | 44.7 | 56.3 | -11.6 | 7.0 | - | 40.7 | 54.1 | -13.4 |

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Approved by

Dej Changnon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402114-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 1 of 3

Sample No. 2286957-25
Parameter เลื่อนรบกวน
Location Moo 3 Mabyangorn (N1) (GPS 47P 0731180, 1438325)
Measurement Date Aug 06 - 07, 2022
Measurement by Satcha Phetsawang
Sound Level Meter 01173609

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนในกิจกรรม | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ตัวปรับค่าการรบกวน |
|---------------------|---------------------|---------------------|--------|------------|----------------------------|---------|--------------|--------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 02:00 PM - 02:05 PM | 54.5 | 59.5 | -5.0 | 7.0 | 47.5 | - | 54.5 | -7.0 |
| 02:05 PM - 02:10 PM | 55.9 | 59.5 | -3.6 | 7.0 | 48.9 | - | 54.5 | -5.6 |
| 02:10 PM - 02:15 PM | 57.3 | 59.5 | -2.2 | 7.0 | 50.3 | - | 54.5 | -4.2 |
| 02:15 PM - 02:20 PM | 59.0 | 59.5 | -0.5 | 7.0 | 52.0 | - | 54.5 | -2.5 |
| 02:20 PM - 02:25 PM | 57.8 | 59.5 | -1.7 | 7.0 | 50.8 | - | 54.5 | -3.7 |
| 02:25 PM - 02:30 PM | 57.5 | 59.5 | -2.0 | 7.0 | 50.5 | - | 54.5 | -4.0 |
| 02:30 PM - 02:35 PM | 59.8 | 59.5 | 0.3 | 7.0 | 52.8 | - | 54.5 | -1.7 |
| 02:35 PM - 02:40 PM | 54.6 | 59.5 | -4.9 | 7.0 | 47.6 | - | 54.5 | -6.9 |
| 02:40 PM - 02:45 PM | 46.9 | 56.3 | -9.4 | 7.0 | 42.9 | 54.1 | -11.2 | - |
| 02:45 PM - 02:50 PM | 45.9 | 56.3 | -10.4 | 7.0 | 41.9 | 54.1 | -12.2 | - |
| 02:50 PM - 02:55 PM | 44.4 | 56.3 | -11.9 | 7.0 | 40.4 | 54.1 | -13.7 | - |
| 02:55 PM - 03:00 PM | 48.3 | 56.3 | -8.0 | 7.0 | 44.3 | 54.1 | -9.8 | - |
| 03:00 PM - 03:05 PM | 46.1 | 56.3 | -10.2 | 7.0 | 42.1 | 54.1 | -12.0 | - |
| 03:05 PM - 03:10 PM | 45.0 | 56.3 | -11.3 | 7.0 | 41.0 | 54.1 | -13.1 | - |
| 03:10 PM - 03:15 PM | 45.0 | 56.3 | -11.3 | 7.0 | 41.0 | 54.1 | -13.1 | - |
| 03:15 PM - 03:20 PM | 53.4 | 56.3 | -2.9 | 7.0 | 49.4 | 54.1 | -3.7 | - |
| 03:20 PM - 03:25 PM | 45.8 | 56.3 | -10.5 | 7.0 | 41.8 | 54.1 | -12.3 | - |
| 03:25 PM - 03:30 PM | 46.1 | 56.3 | -10.2 | 7.0 | 42.1 | 54.1 | -12.0 | - |
| 03:30 PM - 03:35 PM | 48.5 | 56.3 | -7.8 | 7.0 | 44.5 | 54.1 | -9.6 | - |
| 03:35 PM - 03:40 PM | 43.7 | 56.3 | -12.6 | 7.0 | 39.7 | 54.1 | -14.4 | - |
| 03:40 PM - 03:45 PM | 43.7 | 56.3 | -12.6 | 7.0 | 39.7 | 54.1 | -14.4 | - |
| 03:45 PM - 03:50 PM | 48.2 | 56.3 | -8.1 | 7.0 | 44.2 | 54.1 | -9.9 | - |
| 03:50 PM - 03:55 PM | 46.5 | 56.3 | -9.8 | 7.0 | 42.5 | 54.1 | -11.6 | - |
| 03:55 PM - 04:00 PM | 43.5 | 56.3 | -12.8 | 7.0 | 39.5 | 54.1 | -14.6 | - |
| 04:00 PM - 04:05 PM | 52.0 | 56.3 | -4.3 | 7.0 | 48.0 | 54.1 | -6.1 | - |
| 04:05 PM - 04:10 PM | 46.4 | 56.3 | -9.9 | 7.0 | 42.4 | 54.1 | -11.7 | - |
| 04:10 PM - 04:15 PM | 43.6 | 56.3 | -12.7 | 7.0 | 39.6 | 54.1 | -14.5 | - |
| 04:15 PM - 04:20 PM | 44.0 | 56.3 | -12.3 | 7.0 | 40.0 | 54.1 | -14.1 | - |
| 04:20 PM - 04:25 PM | 58.3 | 56.3 | 2.0 | 4.5 | 56.8 | 54.1 | 2.7 | - |
| 04:25 PM - 04:30 PM | 47.7 | 56.3 | -8.6 | 7.0 | 43.7 | 54.1 | -10.4 | - |
| 04:30 PM - 04:35 PM | 48.1 | 56.3 | -8.2 | 7.0 | 44.1 | 54.1 | -10.0 | - |
| 04:35 PM - 04:40 PM | 44.4 | 56.3 | -11.9 | 7.0 | 40.4 | 54.1 | -13.7 | - |
| 04:40 PM - 04:45 PM | 46.9 | 56.3 | -9.4 | 7.0 | 42.9 | 54.1 | -11.2 | - |
| 04:45 PM - 04:50 PM | 42.5 | 56.3 | -13.8 | 7.0 | 38.5 | 54.1 | -15.6 | - |
| 04:50 PM - 04:55 PM | 48.4 | 56.3 | -7.9 | 7.0 | 44.4 | 54.1 | -9.7 | - |
| 04:55 PM - 05:00 PM | 43.2 | 56.3 | -13.1 | 7.0 | 39.2 | 54.1 | -14.9 | - |
| 05:00 PM - 05:05 PM | 58.5 | 56.3 | 2.2 | 4.5 | 57.0 | 54.1 | 2.9 | - |
| 05:05 PM - 05:10 PM | 44.9 | 56.3 | -11.4 | 7.0 | 40.9 | 54.1 | -13.2 | - |
| 05:10 PM - 05:15 PM | 43.8 | 56.3 | -12.5 | 7.0 | 39.8 | 54.1 | -14.3 | - |
| 05:15 PM - 05:20 PM | 51.5 | 56.3 | -4.8 | 7.0 | 47.5 | 54.1 | -6.6 | - |

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Approved by

Dej Changnon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402113-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 3 of 3

Sample No. 2286957-24
Parameter เลื่อนรบกวน
Location Moo 3 Mabyangorn (N1) (GPS 47P 0731180, 1438325)
Measurement Date Aug 05 - 06, 2022
Measurement by Satcha Phetsawang
Sound Level Meter 01173609

| รหัสเสียง (dB(A)) | | | | | | | | |
|---------------------|---------------------|---------------------|-----------|------------|----------------------------|---------|--------------|--------------------|
| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนในกิจกรรม | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ตัวปรับค่าการรบกวน |
| | | | รหัสเสียง | | ค่าจริง | ค่าปรับ | | |
| 04:00 AM - 04:05 AM | 44.8 | 56.3 | -11.5 | 7.0 | - | 40.8 | 54.1 | -13.3 |
| 04:05 AM - 04:10 AM | 52.3 | 56.3 | -4.0 | 7.0 | - | 48.3 | 54.1 | -5.8 |
| 04:10 AM - 04:15 AM | 44.4 | 56.3 | -11.9 | 7.0 | - | 40.4 | 54.1 | -13.7 |
| 04:15 AM - 04:20 AM | 44.2 | 56.3 | -12.1 | 7.0 | - | 40.2 | 54.1 | -13.9 |
| 04:20 AM - 04:25 AM | 43.7 | 56.3 | -12.6 | 7.0 | - | 39.7 | 54.1 | -14.4 |
| 04:25 AM - 04:30 AM | 44.1 | 56.3 | -12.2 | 7.0 | - | 40.1 | 54.1 | -14.0 |
| 04:30 AM - 04:35 AM | 43.9 | 56.3 | -12.4 | 7.0 | - | 39.9 | 54.1 | -14.2 |
| 04:35 AM - 04:40 AM | 43.9 | 56.3 | -12.4 | 7.0 | - | 39.9 | 54.1 | -14.2 |
| 04:40 AM - 04:45 AM | 54.1 | 56.3 | -2.2 | 7.0 | - | 50.1 | 54.1 | -4.0 |
| 04:45 AM - 04:50 AM | 49.7 | 56.3 | -6.6 | 7.0 | - | 45.7 | 54.1 | -8.4 |
| 04:50 AM - 04:55 AM | 47.4 | 56.3 | -8.9 | 7.0 | - | 43.4 | 54.1 | -10.7 |
| 04:55 AM - 05:00 AM | 53.5 | 56.3 | -2.8 | 7.0 | - | 49.5 | 54.1 | -4.6 |
| 05:00 AM - 05:05 AM | 51.0 | 56.3 | -5.3 | 7.0 | - | 47.0 | 54.1 | -7.1 |
| 05:05 AM - 05:10 AM | 52.1 | 56.3 | -4.2 | 7.0 | - | 48.1 | 54.1 | -6.0 |
| 05:10 AM - 05:15 AM | 50.7 | 56.3 | -5.6 | 7.0 | - | 46.7 | 54.1 | -7.4 |
| 05:15 AM - 05:20 AM | 54.6 | 56.3 | -1.7 | 7.0 | - | 50.6 | 54.1 | -3.5 |
| 05:20 AM - 05:25 AM | 54.1 | 56.3 | -2.2 | 7.0 | - | 50.1 | 54.1 | -4.0 |
| 05:25 AM - 05:30 AM | 52.0 | 56.3 | -4.3 | 7.0 | - | 48.0 | 54.1 | -6.1 |
| 05:30 AM - 05:35 AM | 47.5 | 56.3 | -8.8 | 7.0 | - | 43.5 | 54.1 | -10.6 |
| 05:35 AM - 05:40 AM | 65.6 | 56.3 | 9.3 | 0.5 | - | 68.1 | 54.1 | 14.0 |
| 05:40 AM - 05:45 AM | 65.3 | 56.3 | 9.0 | 0.5 | - | 67.8 | 54.1 | 13.7 |
| 05:45 AM - 05:50 AM | 65.7 | 56.3 | 9.4 | 0.5 | - | 68.2 | 54.1 | 14.1 |
| 05:50 AM - 05:55 AM | 53.6 | 56.3 | -2.7 | 7.0 | - | 49.6 | 54.1 | -4.5 |
| 05:55 AM - 06:00 AM | 59.0 | 56.3 | 2.7 | 3.0 | - | 59.0 | 54.1 | 4.9 |
| 06:00 AM - 07:00 AM | 56.9 | 59.5 | -2.6 | 9.0 | - | 56.9 | 54.5 | 2.4 |
| 07:00 AM - 08:00 AM | 57.7 | 59.5 | -1.8 | 7.0 | 50.7 | - | 54.5 | 1.8 |
| 08:00 AM - 09:00 AM | 56.6 | 59.5 | -2.9 | 7.0 | 49.6 | - | 54.5 | 4.9 |
| 09:00 AM - 10:00 AM | 67.2 | 59.5 | -2.3 | 7.0 | 50.2 | - | 54.5 | 4.3 |
| 10:00 AM - 11:00 AM | 57.9 | 59.5 | -1.6 | 7.0 | 50.9 | - | 54.5 | 2.6 |
| 11:00 AM - 12:00 PM | 50.8 | 59.5 | -1.3 | 7.0 | 53.8 | - | 54.5 | 0.7 |
| 12:00 PM - 01:00 PM | 51.5 | 59.5 | -8.0 | 7.0 | 44.5 | - | 54.5 | -10.0 |
| 01:00 PM - 02:00 PM | 52.5 | 59.5 | -7.0 | 7.0 | 45.5 | - | 54.5 | -9.0 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number : 2402114-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Page 2 of 3

Sample No. 2286957-25
Parameter เสียงรบกวน
Location Moo 3 Mabyangom (N1) (GPS 47P 0731180, 1438325)
Measurement Date Aug 06 - 07, 2022
Measurement by Satcha Phetsawaeng
Sound Level Meter 01173609

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะวัด | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-------------|--------------------|---------|----------------------------|---------|--------------|------------------|
| | | | ค่าจริง | ค่าปรับ | ค่าจริง | ค่าปรับ | | |
| 04:00 AM - 04:05 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 47.1 | 54.1 | -12.0 |
| 04:05 AM - 04:10 AM | 44.3 | 56.3 | -12.0 | 7.0 | - | 40.3 | 54.1 | -13.8 |
| 04:10 AM - 04:15 AM | 48.8 | 56.3 | -7.5 | 7.0 | - | 44.8 | 54.1 | -9.3 |
| 04:15 AM - 04:20 AM | 45.4 | 56.3 | -10.9 | 7.0 | - | 41.4 | 54.1 | -12.7 |
| 04:20 AM - 04:25 AM | 42.7 | 56.3 | -13.6 | 7.0 | - | 38.7 | 54.1 | -15.4 |
| 04:25 AM - 04:30 AM | 42.1 | 56.3 | -14.2 | 7.0 | - | 38.1 | 54.1 | -16.0 |
| 04:30 AM - 04:35 AM | 41.3 | 56.3 | -15.0 | 7.0 | - | 37.3 | 54.1 | -16.8 |
| 04:35 AM - 04:40 AM | 41.6 | 56.3 | -14.7 | 7.0 | - | 37.6 | 54.1 | -16.5 |
| 04:40 AM - 04:45 AM | 58.4 | 56.3 | 2.1 | 4.5 | - | 56.9 | 54.1 | 2.8 |
| 04:45 AM - 04:50 AM | 42.4 | 56.3 | -13.9 | 7.0 | - | 38.4 | 54.1 | -15.7 |
| 04:50 AM - 04:55 AM | 50.4 | 56.3 | -5.9 | 7.0 | - | 46.4 | 54.1 | -7.7 |
| 04:55 AM - 05:00 AM | 43.5 | 56.3 | -12.8 | 7.0 | - | 40.5 | 54.1 | -14.6 |
| 05:00 AM - 05:05 AM | 62.4 | 56.3 | 6.1 | 1.5 | - | 63.9 | 54.1 | 9.8 |
| 05:05 AM - 05:10 AM | 44.5 | 56.3 | -11.8 | 7.0 | - | 40.5 | 54.1 | -13.6 |
| 05:10 AM - 05:15 AM | 49.4 | 56.3 | -6.9 | 7.0 | - | 45.4 | 54.1 | -8.7 |
| 05:15 AM - 05:20 AM | 44.4 | 56.3 | -11.9 | 7.0 | - | 40.4 | 54.1 | -13.7 |
| 05:20 AM - 05:25 AM | 42.6 | 56.3 | -13.7 | 7.0 | - | 38.6 | 54.1 | -15.5 |
| 05:25 AM - 05:30 AM | 64.3 | 56.3 | 8.0 | 0.5 | - | 66.8 | 54.1 | 12.7 |
| 05:30 AM - 05:35 AM | 47.5 | 56.3 | -8.8 | 7.0 | - | 43.5 | 54.1 | -10.6 |
| 05:35 AM - 05:40 AM | 57.5 | 56.3 | 1.2 | 7.0 | - | 53.5 | 54.1 | -0.6 |
| 05:40 AM - 05:45 AM | 50.8 | 56.3 | -5.5 | 7.0 | - | 46.8 | 54.1 | -7.3 |
| 05:45 AM - 05:50 AM | 53.1 | 56.3 | -3.2 | 7.0 | - | 49.1 | 54.1 | -5.0 |
| 05:50 AM - 05:55 AM | 57.9 | 56.3 | 1.6 | 4.5 | - | 56.4 | 54.1 | 2.3 |
| 05:55 AM - 06:00 AM | 59.5 | 56.3 | 3.2 | 3.0 | - | 59.5 | 54.1 | 5.4 |
| 06:00 AM - 06:05 AM | 55.4 | 59.5 | -4.1 | 7.0 | 48.4 | - | 54.5 | -6.1 |
| 06:05 AM - 06:10 AM | 56.0 | 59.5 | -3.5 | 7.0 | 49.0 | - | 54.5 | -5.5 |
| 06:10 AM - 06:15 AM | 58.3 | 59.5 | -1.2 | 7.0 | 51.3 | - | 54.5 | -3.2 |
| 06:15 AM - 06:20 AM | 57.2 | 59.5 | -2.3 | 7.0 | 50.2 | - | 54.5 | -4.3 |
| 06:20 AM - 06:25 AM | 58.9 | 59.5 | -0.6 | 7.0 | 51.9 | - | 54.5 | -2.6 |
| 06:25 AM - 06:30 AM | 57.4 | 59.5 | -2.1 | 7.0 | 50.4 | - | 54.5 | -4.1 |
| 06:30 AM - 06:35 AM | 57.5 | 59.5 | -2.0 | 7.0 | 50.5 | - | 54.5 | -4.0 |
| 06:35 AM - 06:40 AM | 52.5 | 59.5 | -7.0 | 7.0 | 45.5 | - | 54.5 | -9.0 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ
1. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่คาดการณ์จากการประกอบกิจการโรงงาน พ.ศ. 2548
 2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่าระดับเสียงการรบกวน พ.ศ. 2550
 3. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่าระดับเสียงการรบกวน พ.ศ. 2550 และประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่าระดับเสียงการรบกวน พ.ศ. 2551
 4. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่าระดับเสียงการรบกวน พ.ศ. 2550 และประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่าระดับเสียงการรบกวน พ.ศ. 2551

ระดับเสียงจากแหล่งกำเนิด พิกัดการวัด ณ วันที่ 02-03 สิงหาคม 2565

ระดับเสียงจากแหล่งกำเนิดเสียงขณะวัดเสียงการประกอบกิจการ (EIA) พ.ศ. 2557 ในระดับ 27 หลอดแก้ว-01 (ขนาด 2557)

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Approved by

Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number : 2402115-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Page 2 of 3

Sample No. 2286957-26
Parameter เสียงรบกวน
Location Moo 3 Mabyangom (N2) (GPS 47P 0732339, 1437041)
Measurement Date Aug 02 - 03, 2022
Measurement by Satcha Phetsawaeng
Sound Level Meter 01073608

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะวัด | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-------------|--------------------|---------|----------------------------|---------|--------------|------------------|
| | | | ค่าจริง | ค่าปรับ | ค่าจริง | ค่าปรับ | | |
| 12:40 AM - 12:45 AM | 47.4 | 51.8 | -4.4 | 7.0 | - | 43.4 | 47.8 | -4.4 |
| 12:45 AM - 12:50 AM | 47.3 | 51.8 | -4.5 | 7.0 | - | 43.3 | 47.8 | -4.5 |
| 12:50 AM - 12:55 AM | 47.1 | 51.8 | -4.7 | 7.0 | - | 43.1 | 47.8 | -4.7 |
| 12:55 AM - 01:00 AM | 48.0 | 51.8 | -3.8 | 7.0 | - | 44.0 | 47.8 | -3.8 |
| 01:00 AM - 01:05 AM | 47.1 | 51.8 | -4.7 | 7.0 | - | 43.1 | 47.8 | -4.7 |
| 01:05 AM - 01:10 AM | 46.2 | 51.8 | -5.6 | 7.0 | - | 42.2 | 47.8 | -5.6 |
| 01:10 AM - 01:15 AM | 46.4 | 51.8 | -5.4 | 7.0 | - | 42.4 | 47.8 | -5.4 |
| 01:15 AM - 01:20 AM | 47.8 | 51.8 | -4.0 | 7.0 | - | 43.8 | 47.8 | -4.0 |
| 01:20 AM - 01:25 AM | 47.2 | 51.8 | -4.6 | 7.0 | - | 43.2 | 47.8 | -4.6 |
| 01:25 AM - 01:30 AM | 45.7 | 51.8 | -6.1 | 7.0 | - | 41.7 | 47.8 | -6.1 |
| 01:30 AM - 01:35 AM | 46.4 | 51.8 | -5.4 | 7.0 | - | 42.4 | 47.8 | -5.4 |
| 01:35 AM - 01:40 AM | 46.1 | 51.8 | -5.7 | 7.0 | - | 42.1 | 47.8 | -5.7 |
| 01:40 AM - 01:45 AM | 46.4 | 51.8 | -5.4 | 7.0 | - | 42.4 | 47.8 | -5.4 |
| 01:45 AM - 01:50 AM | 44.6 | 51.8 | -7.2 | 7.0 | - | 40.6 | 47.8 | -7.2 |
| 01:50 AM - 01:55 AM | 47.3 | 51.8 | -4.5 | 7.0 | - | 43.3 | 47.8 | -4.5 |
| 01:55 AM - 02:00 AM | 54.8 | 51.8 | 3.0 | 3.0 | - | 54.8 | 47.8 | 7.0 |
| 02:00 AM - 02:05 AM | 45.1 | 51.8 | -6.7 | 7.0 | - | 41.1 | 47.8 | -6.7 |
| 02:05 AM - 02:10 AM | 44.5 | 51.8 | -7.3 | 7.0 | - | 40.5 | 47.8 | -7.3 |
| 02:10 AM - 02:15 AM | 44.6 | 51.8 | -7.2 | 7.0 | - | 40.6 | 47.8 | -7.2 |
| 02:15 AM - 02:20 AM | 47.4 | 51.8 | -4.4 | 7.0 | - | 43.4 | 47.8 | -4.4 |
| 02:20 AM - 02:25 AM | 45.9 | 51.8 | -5.9 | 7.0 | - | 41.9 | 47.8 | -5.9 |
| 02:25 AM - 02:30 AM | 44.6 | 51.8 | -7.2 | 7.0 | - | 40.6 | 47.8 | -7.2 |
| 02:30 AM - 02:35 AM | 45.2 | 51.8 | -6.6 | 7.0 | - | 41.2 | 47.8 | -6.6 |
| 02:35 AM - 02:40 AM | 46.2 | 51.8 | -5.6 | 7.0 | - | 42.2 | 47.8 | -5.6 |
| 02:40 AM - 02:45 AM | 43.0 | 51.8 | -8.8 | 7.0 | - | 39.0 | 47.8 | -8.8 |
| 02:45 AM - 02:50 AM | 44.0 | 51.8 | -7.8 | 7.0 | - | 40.0 | 47.8 | -7.8 |
| 02:50 AM - 02:55 AM | 43.6 | 51.8 | -8.2 | 7.0 | - | 39.6 | 47.8 | -8.2 |
| 02:55 AM - 03:00 AM | 43.0 | 51.8 | -8.8 | 7.0 | - | 39.0 | 47.8 | -8.8 |
| 03:00 AM - 03:05 AM | 43.3 | 51.8 | -8.5 | 7.0 | - | 39.3 | 47.8 | -8.5 |
| 03:05 AM - 03:10 AM | 43.4 | 51.8 | -8.4 | 7.0 | - | 39.4 | 47.8 | -8.4 |
| 03:10 AM - 03:15 AM | 41.7 | 51.8 | -10.1 | 7.0 | - | 37.7 | 47.8 | -10.1 |
| 03:15 AM - 03:20 AM | 44.1 | 51.8 | -7.7 | 7.0 | - | 40.1 | 47.8 | -7.7 |
| 03:20 AM - 03:25 AM | 45.4 | 51.8 | -6.4 | 7.0 | - | 41.4 | 47.8 | -6.4 |
| 03:25 AM - 03:30 AM | 42.2 | 51.8 | -9.6 | 7.0 | - | 38.2 | 47.8 | -9.6 |
| 03:30 AM - 03:35 AM | 41.6 | 51.8 | -10.2 | 7.0 | - | 37.6 | 47.8 | -10.2 |
| 03:35 AM - 03:40 AM | 42.0 | 51.8 | -9.8 | 7.0 | - | 38.0 | 47.8 | -9.8 |
| 03:40 AM - 03:45 AM | 49.1 | 51.8 | -2.7 | 7.0 | - | 45.1 | 47.8 | -2.7 |
| 03:45 AM - 03:50 AM | 49.1 | 51.8 | -2.7 | 7.0 | - | 45.1 | 47.8 | -2.7 |
| 03:50 AM - 03:55 AM | 43.7 | 51.8 | -8.1 | 7.0 | - | 39.7 | 47.8 | -8.1 |
| 03:55 AM - 04:00 AM | 46.9 | 51.8 | -4.9 | 7.0 | - | 42.9 | 47.8 | -4.9 |

The data results are valid only for the analyzed/tested samples as indicated in this report. No part of this report or its contents may be reproduced or transmitted in any form without written consent from the Laboratory. A Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number : 2402115-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Page 1 of 3

Sample No. 2286957-26
Parameter เสียงรบกวน
Location Moo 3 Mabyangom (N2) (GPS 47P 0732339, 1437041)
Measurement Date Aug 02 - 03, 2022
Measurement by Satcha Phetsawaeng
Sound Level Meter 01073608

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะวัดกิจกรรม | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|--------------------|--------------------|---------|----------------------------|---------|--------------|------------------|
| | | | ค่าจริง | ค่าปรับ | ค่าจริง | ค่าปรับ | | |
| 02:00 PM - 03:00 PM | 50.1 | 57.6 | -7.5 | 7.0 | - | 47.5 | 47.8 | -4.4 |
| 03:00 PM - 04:00 PM | 50.8 | 57.6 | -6.8 | 7.0 | 43.8 | - | 47.5 | -3.7 |
| 04:00 PM - 05:00 PM | 55.2 | 57.6 | -2.4 | 7.0 | 48.2 | - | 47.5 | -0.7 |
| 05:00 PM - 06:00 PM | 53.3 | 57.6 | -4.3 | 7.0 | 46.3 | - | 47.5 | -1.2 |
| 06:00 PM - 07:00 PM | 52.2 | 57.6 | -5.4 | 7.0 | 45.2 | - | 47.5 | -2.3 |
| 07:00 PM - 08:00 PM | 54.6 | 57.6 | -3.0 | 7.0 | 47.6 | - | 47.5 | -0.1 |
| 08:00 PM - 09:00 PM | 56.2 | 57.6 | -1.4 | 7.0 | 49.2 | - | 47.5 | -1.7 |
| 09:00 PM - 10:00 PM | 60.5 | 57.6 | 2.9 | 3.0 | 57.5 | - | 47.5 | 10.0 |
| 10:00 PM - 10:05 PM | 53.3 | 51.8 | 1.5 | 4.5 | - | 51.8 | 47.8 | 4.0 |
| 10:05 PM - 10:10 PM | 51.1 | 51.8 | -0.7 | 7.0 | - | 47.1 | 47.8 | -0.7 |
| 10:10 PM - 10:15 PM | 50.3 | 51.8 | -1.5 | 7.0 | - | 46.3 | 47.8 | -1.5 |
| 10:15 PM - 10:20 PM | 50.6 | 51.8 | -1.2 | 7.0 | - | 46.6 | 47.8 | -1.2 |
| 10:20 PM - 10:25 PM | 50.2 | 51.8 | -1.6 | 7.0 | - | 46.2 | 47.8 | -1.6 |
| 10:25 PM - 10:30 PM | 50.7 | 51.8 | -1.1 | 7.0 | - | 46.7 | 47.8 | -1.1 |
| 10:30 PM - 10:35 PM | 51.2 | 51.8 | -0.6 | 7.0 | - | 47.2 | 47.8 | -0.6 |
| 10:35 PM - 10:40 PM | 51.3 | 51.8 | -0.5 | 7.0 | - | 47.3 | 47.8 | -0.5 |
| 10:40 PM - 10:45 PM | 50.8 | 51.8 | -1.0 | 7.0 | - | 46.8 | 47.8 | -1.0 |
| 10:45 PM - 10:50 PM | 53.3 | 51.8 | 1.5 | 4.5 | - | 51.8 | 47.8 | 4.0 |
| 10:50 PM - 10:55 PM | 50.2 | 51.8 | -1.6 | 7.0 | - | 46.2 | 47.8 | -1.6 |
| 10:55 PM - 11:00 PM | 50.6 | 51.8 | -1.2 | 7.0 | - | 46.6 | 47.8 | -1.2 |
| 11:00 PM - 11:05 PM | 50.3 | 51.8 | -1.5 | 7.0 | - | 46.3 | 47.8 | -1.5 |
| 11:05 PM - 11:10 PM | 51.0 | 51.8 | -0.8 | 7.0 | - | 47.0 | 47.8 | -0.8 |
| 11:10 PM - 11:15 PM | 51.9 | 51.8 | 0.1 | 7.0 | - | 47.9 | 47.8 | 0.9 |
| 11:15 PM - 11:20 PM | 52.4 | 51.8 | 0.6 | 7.0 | - | 48.4 | 47.8 | 0.6 |
| 11:20 PM - 11:25 PM | 51.6 | 51.8 | -0.2 | 7.0 | - | 47.6 | 47.8 | -0.2 |
| 11:25 PM - 11:30 PM | 50.6 | 51.8 | -1.2 | 7.0 | - | 46.6 | 47.8 | -1.2 |
| 11:30 PM - 11:35 PM | 50.2 | 51.8 | -1.6 | 7.0 | - | 46.2 | 47.8 | -1.6 |
| 11:35 PM - 11:40 PM | 52.0 | 51.8 | 0.2 | 7.0 | - | 48.0 | 47.8 | 0.2 |
| 11:40 PM - 11:45 PM | 48.9 | 51.8 | -2.9 | 7.0 | - | 44.9 | 47.8 | -2.9 |
| 11:45 PM - 11:50 PM | 49.4 | 51.8 | -1.4 | 7.0 | - | 45.4 | 47.8 | -1.4 |
| 11:50 PM - 11:55 PM | 48.8 | 51.8 | -3.0 | 7.0 | - | 44.8 | 47.8 | -3.0 |
| 11:55 PM - 12:00 AM | 49.1 | 51.8 | -2.7 | 7.0 | - | 45.1 | 47.8 | -2.7 |
| 12:00 AM - 12:05 AM | 48.1 | 51.8 | -3.7 | 7.0 | - | 46.1 | 47.8 | -3.7 |
| 12:05 AM - 12:10 AM | 50.8 | 51.8 | -1.0 | 7.0 | - | 44.8 | 47.8 | -1.0 |
| 12:10 AM - 12:15 AM | 50.4 | 51.8 | -1.4 | 7.0 | - | 46.2 | 47.8 | -1.4 |
| 12:15 AM - 12:20 AM | 52.8 | 51.8 | 1.0 | 7.0 | - | 48.8 | 49.8 | 1.0 |
| 12:20 AM - 12:25 AM | 50.6 | 51.8 | -1.2 | 7.0 | - | 46.6 | 47.8 | -1.2 |
| 12:25 AM - 12:30 AM | 48.1 | 51.8 | -3.6 | 7.0 | - | 46.2 | 47.8 | -3.6 |
| 12:30 AM - 12:35 AM | 47.3 | 51.8 | -4.5 | 7.0 | - | 45.8 | 47.8 | -4.5 |
| 12:35 AM - 12:40 AM | 48.7 | 51.8 | -3.1 | 7.0 | - | 44.7 | 47.8 | -3.1 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 3, Siam Eastern Industrial Park, T. Mapyapongon, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402116-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 1 of 3

Sample No. : 2286957-27
Parameter : เสียงรบกวน
Location : Moo 3 Malyangporm (N2) (GPS 47P 0732339, 1437041)
Measurement Date : Aug 03 - 04, 2022
Measurement by : Satcha Phetsawang
Sound Level Meter : 01073608

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวน ไม่มีการรบกวน | ผลต่าง ระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับ การรบกวน |
|---------------------|---------------------|-----------------------------|----------------------|------------|----------------------------|---------|--------------|----------------------|
| | | | | | กลางคืน | กลางวัน | | |
| 02:00 PM - 03:00 PM | 60.4 | 57.6 | 2.8 | 3.0 | 57.4 | - | 47.5 | 9.9 |
| 03:00 PM - 04:00 PM | 55.6 | 57.6 | -2.0 | 7.0 | 48.6 | - | 47.5 | -1.9 |
| 04:00 PM - 05:00 PM | 52.6 | 57.6 | -5.0 | 7.0 | 45.6 | - | 47.5 | -5.9 |
| 05:00 PM - 06:00 PM | 54.3 | 57.6 | -3.3 | 7.0 | 47.3 | - | 47.5 | -0.2 |
| 06:00 PM - 07:00 PM | 56.3 | 57.6 | -1.3 | 7.0 | 49.3 | - | 47.5 | 1.8 |
| 07:00 PM - 08:00 PM | 57.3 | 57.6 | -0.3 | 7.0 | 50.3 | - | 47.5 | 2.8 |
| 08:00 PM - 09:00 PM | 58.3 | 57.6 | 0.7 | 7.0 | 51.3 | - | 47.5 | 3.8 |
| 09:00 PM - 10:00 PM | 53.4 | 57.6 | -4.2 | 7.0 | 46.4 | - | 47.5 | -1.1 |
| 10:00 PM - 10:55 PM | 53.7 | 51.8 | 1.9 | 4.5 | - | 52.2 | 47.8 | 4.4 |
| 10:55 PM - 11:05 PM | 54.4 | 51.8 | 2.6 | 3.0 | - | 54.4 | 47.8 | 6.6 |
| 11:05 PM - 11:15 PM | 55.1 | 51.8 | 3.3 | 3.0 | - | 55.1 | 47.8 | 7.3 |
| 11:15 PM - 11:25 PM | 55.3 | 51.8 | 3.5 | 2.0 | - | 56.3 | 47.8 | 8.5 |
| 11:25 PM - 11:35 PM | 54.2 | 51.8 | 2.4 | 4.5 | - | 52.7 | 47.8 | 4.9 |
| 11:35 PM - 11:45 PM | 53.0 | 51.8 | 1.2 | 7.0 | - | 49.0 | 47.8 | 1.2 |
| 11:45 PM - 11:55 PM | 53.5 | 51.8 | 1.7 | 4.5 | - | 52.0 | 47.8 | 4.2 |
| 11:55 PM - 12:05 AM | 54.6 | 51.8 | 2.8 | 3.0 | - | 54.6 | 47.8 | 6.8 |
| 12:05 AM - 12:15 AM | 54.3 | 51.8 | 2.5 | 3.0 | - | 54.3 | 47.8 | 6.5 |
| 12:15 AM - 12:25 AM | 52.9 | 51.8 | 1.1 | 7.0 | - | 48.9 | 47.8 | 1.1 |
| 12:25 AM - 12:35 AM | 52.3 | 51.8 | 0.5 | 7.0 | - | 48.3 | 47.8 | 0.5 |
| 12:35 AM - 11:00 PM | 50.9 | 51.8 | -0.9 | 7.0 | - | 46.9 | 47.8 | -0.9 |
| 11:00 PM - 11:05 PM | 50.8 | 51.8 | -1.0 | 7.0 | - | 46.8 | 47.8 | -1.0 |
| 11:05 PM - 11:10 PM | 51.3 | 51.8 | -0.5 | 7.0 | - | 47.3 | 47.8 | -0.5 |
| 11:10 PM - 11:15 PM | 51.9 | 51.8 | 0.1 | 7.0 | - | 47.9 | 47.8 | 0.1 |
| 11:15 PM - 11:20 PM | 50.9 | 51.8 | -0.9 | 7.0 | - | 46.9 | 47.8 | -0.9 |
| 11:20 PM - 11:25 PM | 54.0 | 51.8 | 2.2 | 4.5 | - | 52.5 | 47.8 | 4.7 |
| 11:25 PM - 11:30 PM | 49.5 | 51.8 | -2.3 | 7.0 | - | 45.5 | 47.8 | -2.3 |
| 11:30 PM - 11:35 PM | 49.0 | 51.8 | -2.8 | 7.0 | - | 45.0 | 47.8 | -2.8 |
| 11:35 PM - 11:40 PM | 50.2 | 51.8 | -1.6 | 7.0 | - | 46.2 | 47.8 | -1.6 |
| 11:40 PM - 11:45 PM | 48.5 | 51.8 | -3.3 | 7.0 | - | 44.5 | 47.8 | -3.3 |
| 11:45 PM - 11:50 PM | 48.0 | 51.8 | -3.8 | 7.0 | - | 44.0 | 47.8 | -3.8 |
| 11:50 PM - 11:55 PM | 49.2 | 51.8 | -2.6 | 7.0 | - | 45.2 | 47.8 | -2.6 |
| 11:55 PM - 12:00 AM | 47.4 | 51.8 | -4.4 | 7.0 | - | 43.4 | 47.8 | -4.4 |
| 12:00 AM - 12:05 AM | 48.8 | 51.8 | -3.0 | 7.0 | - | 44.8 | 47.8 | -3.0 |
| 12:05 AM - 12:10 AM | 46.9 | 51.8 | -4.9 | 7.0 | - | 42.9 | 47.8 | -4.9 |
| 12:10 AM - 12:15 AM | 46.6 | 51.8 | -5.2 | 7.0 | - | 42.6 | 47.8 | -5.2 |
| 12:15 AM - 12:20 AM | 48.4 | 51.8 | -3.4 | 7.0 | - | 44.4 | 47.8 | -3.4 |
| 12:20 AM - 12:25 AM | 47.4 | 51.8 | -4.4 | 7.0 | - | 43.4 | 47.8 | -4.4 |
| 12:25 AM - 12:30 AM | 47.7 | 51.8 | -4.1 | 7.0 | - | 43.7 | 47.8 | -4.1 |
| 12:30 AM - 12:35 AM | 46.4 | 51.8 | -5.4 | 7.0 | - | 42.4 | 47.8 | -5.4 |
| 12:35 AM - 12:40 AM | 47.8 | 51.8 | -4.0 | 7.0 | - | 43.8 | 47.8 | -4.0 |

The above results are valid only for the specified period(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without express consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Dej Changnon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 3, Siam Eastern Industrial Park, T. Mapyapongon, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402116-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 3 of 3

Sample No. : 2286957-27
Parameter : เสียงรบกวน
Location : Moo 3 Malyangporm (N2) (GPS 47P 0732339, 1437041)
Measurement Date : Aug 03 - 04, 2022
Measurement by : Satcha Phetsawang
Sound Level Meter : 01073608

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวน ไม่มีการรบกวน | ผลต่าง ระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับ การรบกวน |
|---------------------|---------------------|-----------------------------|----------------------|------------|----------------------------|---------|--------------|----------------------|
| | | | | | กลางคืน | กลางวัน | | |
| 04:00 AM - 04:05 AM | 48.5 | 51.8 | -3.3 | 7.0 | - | 44.5 | 47.8 | -3.3 |
| 04:05 AM - 04:10 AM | 45.6 | 51.8 | -6.2 | 7.0 | - | 41.6 | 47.8 | -6.2 |
| 04:10 AM - 04:15 AM | 44.8 | 51.8 | -7.0 | 7.0 | - | 40.8 | 47.8 | -7.0 |
| 04:15 AM - 04:20 AM | 42.8 | 51.8 | -9.0 | 7.0 | - | 35.8 | 47.8 | -9.0 |
| 04:20 AM - 04:25 AM | 43.3 | 51.8 | -8.5 | 7.0 | - | 36.3 | 47.8 | -8.5 |
| 04:25 AM - 04:30 AM | 45.8 | 51.8 | -6.0 | 7.0 | - | 41.8 | 47.8 | -6.0 |
| 04:30 AM - 04:35 AM | 46.6 | 51.8 | -5.2 | 7.0 | - | 42.6 | 47.8 | -5.2 |
| 04:35 AM - 04:40 AM | 47.2 | 51.8 | -4.6 | 7.0 | - | 43.2 | 47.8 | -4.6 |
| 04:40 AM - 04:45 AM | 44.5 | 51.8 | -7.3 | 7.0 | - | 40.5 | 47.8 | -7.3 |
| 04:45 AM - 04:50 AM | 44.1 | 51.8 | -7.7 | 7.0 | - | 40.1 | 47.8 | -7.7 |
| 04:50 AM - 04:55 AM | 47.0 | 51.8 | -4.8 | 7.0 | - | 43.0 | 47.8 | -4.8 |
| 04:55 AM - 05:00 AM | 46.0 | 51.8 | -5.8 | 7.0 | - | 42.0 | 47.8 | -5.8 |
| 05:00 AM - 05:05 AM | 45.3 | 51.8 | -6.5 | 7.0 | - | 41.3 | 47.8 | -6.5 |
| 05:05 AM - 05:10 AM | 47.1 | 51.8 | -4.7 | 7.0 | - | 43.1 | 47.8 | -4.7 |
| 05:10 AM - 05:15 AM | 49.5 | 51.8 | -2.3 | 7.0 | - | 45.5 | 47.8 | -2.3 |
| 05:15 AM - 05:20 AM | 50.8 | 51.8 | -1.0 | 7.0 | - | 46.8 | 47.8 | -1.0 |
| 05:20 AM - 05:25 AM | 48.9 | 51.8 | -2.9 | 7.0 | - | 44.9 | 47.8 | -2.9 |
| 05:25 AM - 05:30 AM | 50.3 | 51.8 | -1.5 | 7.0 | - | 46.3 | 47.8 | -1.5 |
| 05:30 AM - 05:35 AM | 51.7 | 51.8 | -0.1 | 7.0 | - | 47.7 | 47.8 | -0.1 |
| 05:35 AM - 05:40 AM | 53.0 | 51.8 | 1.2 | 7.0 | - | 49.0 | 47.8 | 1.2 |
| 05:40 AM - 05:45 AM | 55.0 | 51.8 | 3.2 | 3.0 | - | 55.0 | 47.8 | 7.2 |
| 05:45 AM - 05:50 AM | 52.3 | 51.8 | 0.5 | 7.0 | - | 48.3 | 47.8 | 0.5 |
| 05:50 AM - 05:55 AM | 53.9 | 51.8 | 2.1 | 4.5 | - | 52.4 | 47.8 | 4.6 |
| 05:55 AM - 06:00 AM | 53.0 | 51.8 | 1.2 | 7.0 | - | 49.0 | 47.8 | 1.2 |
| 06:00 AM - 07:00 PM | 54.3 | 57.6 | -3.3 | 7.0 | 47.3 | - | 47.5 | -0.2 |
| 07:00 AM - 08:00 PM | 55.6 | 57.6 | -2.0 | 7.0 | 48.6 | - | 47.5 | 1.1 |
| 08:00 AM - 09:00 PM | 52.9 | 57.6 | -4.7 | 7.0 | 45.9 | - | 47.5 | -1.6 |
| 09:00 AM - 10:00 PM | 53.7 | 57.6 | -3.9 | 7.0 | 46.7 | - | 47.5 | -0.8 |
| 10:00 AM - 11:00 AM | 52.7 | 57.6 | -4.9 | 7.0 | 45.7 | - | 47.5 | -1.8 |
| 11:00 AM - 12:00 PM | 54.0 | 57.6 | -3.6 | 7.0 | 47.0 | - | 47.5 | -0.5 |
| 12:00 PM - 01:00 PM | 50.5 | 57.6 | -7.1 | 7.0 | 43.5 | - | 47.5 | -4.0 |
| 01:00 PM - 02:00 PM | 49.5 | 57.6 | -8.1 | 7.0 | 42.5 | - | 47.5 | -5.0 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงจากการทำงานของโรงงาน พ.ศ. 2548
 2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนของรถบรรทุก พ.ศ. 2550
 3. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนของรถจักรยานยนต์ พ.ศ. 2550 และประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนของรถจักรยานยนต์ พ.ศ. 2550 และประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนของรถจักรยานยนต์ พ.ศ. 2550
 4. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนของรถจักรยานยนต์ พ.ศ. 2551
- ระดับเสียงรบกวนเฉลี่ยค่าการรบกวน 70-03 ดีไซน์ 2565
ระดับเสียงรบกวนเฉลี่ยค่าการรบกวน (ข้อมูลจากงานจากโครงการพัฒนาระบบขนส่งมวลชน (EIA) No. 2557 ปีที่ตรวจ 27 พฤษภาคม 01 ธันวาคม 2557)

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Approved by

Dej Changnon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Life Sciences

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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 3, Siam Eastern Industrial Park, T. Mapyapongon, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received : Aug 09, 2022
Date Reported : Aug 11, 2022
Report Number : 2402116-1

P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Page 2 of 3

Sample No. : 2286957-27
Parameter : เสียงรบกวน
Location : Moo 3 Malyangporm (N2) (GPS 47P 0732339, 1437041)
Measurement Date : Aug 03 - 04, 2022
Measurement by : Satcha Phetsawang
Sound Level Meter : 01073608

| ตารางเสียง (dB(A)) | | | | | | | | |
|---------------------|-------------------------|-----------------------------|----------------------|------------|----------------------------|---------|--------------|----------------------|
| เวลา | เสียงจาก แหล่งกำเนิด | เสียงรบกวน ไม่มีการรบกวน | ผลต่าง ระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับ การรบกวน |
| | | | ระดับเสียง | | กลางคืน | กลางวัน | | |
| 12:40 AM - 12:45 AM | 51.6 | 51.8 | -0.2 | 7.0 | - | 47.6 | 47.8 | -0.2 |
| 12:45 AM - 12:50 AM | 46.4 | 51.8 | -5.4 | 7.0 | - | 42.4 | 47.8 | -5.4 |
| 12:50 AM - 12:55 AM | 46.3 | 51.8 | -5.5 | 7.0 | - | 42.3 | 47.8 | -5.5 |
| 12:55 AM - 01:00 AM | 45.5 | 51.8 | -6.3 | 7.0 | - | 41.5 | 47.8 | -6.3 |
| 01:00 AM - 01:05 AM | 43.9 | 51.8 | -7.9 | 7.0 | - | 39.9 | 47.8 | -7.9 |
| 01:05 AM - 01:10 AM | 48.7 | 51.8 | -3.1 | 7.0 | - | 44.7 | 47.8 | -3.1 |
| 01:10 AM - 01:15 AM | 43.7 | 51.8 | -8.1 | 7.0 | - | 39.7 | 47.8 | -8.1 |
| 01:15 AM - 01:20 AM | 44.8 | 51.8 | -7.0 | 7.0 | - | 40.8 | 47.8 | -7.0 |
| 01:20 AM - 01:25 AM | 45.2 | 51.8 | -6.6 | 7.0 | - | 41.2 | 47.8 | -6.6 |
| 01:25 AM - 01:30 AM | 43.8 | 51.8 | -8.0 | 7.0 | - | 39.8 | 47.8 | -8.0 |
| 01:30 AM - 01:35 AM | 44.1 | 51.8 | -7.7 | 7.0 | - | 40.1 | 47.8 | -7.7 |
| 01:35 AM - 01:40 AM | 44.4 | 51.8 | -7.4 | 7.0 | - | 40.4 | 47.8 | -7.4 |
| 01:40 AM - 01:45 AM | 44.9 | 51.8 | -6.9 | 7.0 | - | 40.9 | 47.8 | -6.9 |
| 01:45 AM - 01:50 AM | 43.7 | 51.8 | -8.1 | 7.0 | - | 39.7 | 47.8 | -8.1 |
| 01:50 AM - 01:55 AM | 44.0 | 51.8 | -7.8 | 7.0 | - | 40.0 | 47.8 | -7.8 |
| 01:55 AM - 02:00 AM | 42.9 | 51.8 | -8.9 | 7.0 | - | 38.9 | 47.8 | -8.9 |
| 02:00 AM - 02:05 AM | 44.1 | 51.8 | -7.7 | 7.0 | - | 40.1 | 47.8 | -7.7 |
| 02:05 AM - 02:10 AM | 46.4 | 51.8 | -5.4 | 7.0 | - | 42.4 | 47.8 | -5.4 |
| 02:10 AM - 02:15 AM | 47.4 | 51.8 | -4.4 | 7.0 | - | 43.4 | 47.8 | -4.4 |
| 02:15 AM - 02:20 AM | 46.7 | 51.8 | -5.1 | 7.0 | - | 42.7 | 47.8 | -5.1 |
| 02:20 AM - 02:25 AM | 46.4 | 51.8 | -5.4 | 7.0 | - | 42.4 | 47.8 | -5.4 |
| 02:25 AM - 02:30 AM | 46.7 | 51.8 | -5.1 | 7.0 | - | 42.7 | 47.8 | -5.1 |
| 02:30 AM - 02:35 AM | 47.0 | 51.8 | -4.8 | 7.0 | - | 43.0 | 47.8 | -4.8 |
| 02:35 AM - 02:40 AM | 44.6 | 51.8 | -7.2 | 7.0 | - | 40.6 | 47.8 | -7.2 |
| 02:40 AM - 02:45 AM | 43.3 | 51.8 | -8.5 | 7.0 | - | 39.3 | 47.8 | -8.5 |
| 02:45 AM - 02:50 AM | 43.6 | 51.8 | -8.2 | 7.0 | - | 39.6 | 47.8 | -8.2 |
| 02:50 AM - 02:55 AM | 43.7 | 51.8 | -8.1 | 7.0 | - | 39.7 | 47.8 | -8.1 |
| 02:55 AM - 03:00 AM | 50.9 | 51.8 | -0.9 | 7.0 | - | 46.9 | 47.8 | -0.9 |
| 03:00 AM - 03:05 AM | 43.2 | 51.8 | -8.6 | 7.0 | - | 39.2 | 47.8 | -8.6 |
| 03:05 AM - 03:10 AM | 42.4 | 51.8 | -9.4 | 7.0 | - | 38.4 | 47.8 | -9.4 |
| 03:10 AM - 03:15 AM | 43.0 | 51.8 | -8.8 | 7.0 | - | 39.0 | 47.8 | -8.8 |
| 03:15 AM - 03:20 AM | 42.7 | 51.8 | -9.1 | 7.0 | - | 38.7 | 47.8 | -9.1 |
| 03:20 AM - 03:25 AM | 42.4 | 51.8 | -9.6 | 7.0 | - | 38.4 | 47.8 | -9.6 |
| 03:25 AM - 03:30 AM | 42.6 | 51.8 | -9.2 | 7.0 | - | 38.6 | 47.8 | -9.2 |
| 03:30 AM - 03:35 AM | 42.3 | 51.8 | -9.5 | 7.0 | - | 38.3 | 47.8 | -9.5 |
| 03:35 AM - 03:40 AM | 41.8 | 51.8 | -10.0 | 7.0 | - | 37.8 | 47.8 | -10.0 |
| 03:40 AM - 03:45 AM | 45.0 | 51.8 | -6.8 | 7.0 | - | 41.0 | 47.8 | -6.8 |
| 03:45 AM - 03:50 AM | 45.8 | 51.8 | -6.0 | 7.0 | - | 41.8 | 47.8 | -6.0 |
| 03:50 AM - 03:55 AM | 44.3 | 51.8 | -7.5 | 7.0 | - | 40.3 | 47.8 | -7.5 |
| 03:55 AM - 04:00 AM | 46.9 | 51.8 | -4.9 | 7.0 | - | 42.9 | 47.8 | -4.9 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyngphon, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number : 2402117-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Page 2 of 3

Sample No. 2286957-28
Parameter เสียงรบกวน
Location Moo 3 Mabyangorn (N2) (GPS 47P 0732339, 1437041)
Measurement Date Aug 04 - 05, 2022
Measurement by Satcha Phetsaewang
Sound Level Meter 01073608

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงรบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-------------------------|--------------------|------------|----------------------------|---------|------------|------------------|
| | | | ผลต่าง | ตัวปรับค่า | ค่าจริง | ค่าปรับ | | |
| 12:40 AM - 12:45 AM | 44.4 | 51.8 | -7.4 | 7.0 | - | 40.4 | 47.8 | -7.4 |
| 12:45 AM - 12:50 AM | 49.6 | 51.8 | -2.2 | 7.0 | - | 45.6 | 47.8 | -2.2 |
| 12:50 AM - 12:55 AM | 45.1 | 51.8 | -6.7 | 7.0 | - | 41.1 | 47.8 | -6.7 |
| 12:55 AM - 01:00 AM | 47.4 | 51.8 | -4.4 | 7.0 | - | 43.4 | 47.8 | -4.4 |
| 01:00 AM - 01:05 AM | 45.1 | 51.8 | -6.7 | 7.0 | - | 41.1 | 47.8 | -6.7 |
| 01:05 AM - 01:10 AM | 43.5 | 51.8 | -8.3 | 7.0 | - | 39.5 | 47.8 | -8.3 |
| 01:10 AM - 01:15 AM | 43.3 | 51.8 | -8.5 | 7.0 | - | 39.3 | 47.8 | -8.5 |
| 01:15 AM - 01:20 AM | 43.4 | 51.8 | -8.4 | 7.0 | - | 39.4 | 47.8 | -8.4 |
| 01:20 AM - 01:25 AM | 45.1 | 51.8 | -6.7 | 7.0 | - | 41.1 | 47.8 | -6.7 |
| 01:25 AM - 01:30 AM | 44.3 | 51.8 | -7.5 | 7.0 | - | 40.3 | 47.8 | -7.5 |
| 01:30 AM - 01:35 AM | 44.8 | 51.8 | -7.0 | 7.0 | - | 40.8 | 47.8 | -7.0 |
| 01:35 AM - 01:40 AM | 45.1 | 51.8 | -6.7 | 7.0 | - | 41.1 | 47.8 | -6.7 |
| 01:40 AM - 01:45 AM | 44.9 | 51.8 | -6.9 | 7.0 | - | 40.9 | 47.8 | -6.9 |
| 01:45 AM - 01:50 AM | 44.8 | 51.8 | -7.0 | 7.0 | - | 40.8 | 47.8 | -7.0 |
| 01:50 AM - 01:55 AM | 44.8 | 51.8 | -7.0 | 7.0 | - | 40.8 | 47.8 | -7.0 |
| 01:55 AM - 02:00 AM | 44.2 | 51.8 | -7.6 | 7.0 | - | 40.2 | 47.8 | -7.6 |
| 02:00 AM - 02:05 AM | 44.3 | 51.8 | -7.5 | 7.0 | - | 40.3 | 47.8 | -7.5 |
| 02:05 AM - 02:10 AM | 44.4 | 51.8 | -7.4 | 7.0 | - | 40.4 | 47.8 | -7.4 |
| 02:10 AM - 02:15 AM | 43.4 | 51.8 | -8.4 | 7.0 | - | 39.4 | 47.8 | -8.4 |
| 02:15 AM - 02:20 AM | 45.6 | 51.8 | -6.2 | 7.0 | - | 41.6 | 47.8 | -6.2 |
| 02:20 AM - 02:25 AM | 43.7 | 51.8 | -8.1 | 7.0 | - | 39.7 | 47.8 | -8.1 |
| 02:25 AM - 02:30 AM | 43.5 | 51.8 | -8.3 | 7.0 | - | 39.5 | 47.8 | -8.3 |
| 02:30 AM - 02:35 AM | 43.4 | 51.8 | -8.4 | 7.0 | - | 39.4 | 47.8 | -8.4 |
| 02:35 AM - 02:40 AM | 42.8 | 51.8 | -9.0 | 7.0 | - | 38.8 | 47.8 | -9.0 |
| 02:40 AM - 02:45 AM | 44.3 | 51.8 | -7.5 | 7.0 | - | 40.3 | 47.8 | -7.5 |
| 02:45 AM - 02:50 AM | 46.3 | 51.8 | -5.5 | 7.0 | - | 42.3 | 47.8 | -5.5 |
| 02:50 AM - 02:55 AM | 45.1 | 51.8 | -6.7 | 7.0 | - | 41.1 | 47.8 | -6.7 |
| 02:55 AM - 03:00 AM | 46.5 | 51.8 | -5.3 | 7.0 | - | 42.5 | 47.8 | -5.3 |
| 03:00 AM - 03:05 AM | 42.8 | 51.8 | -9.0 | 7.0 | - | 38.8 | 47.8 | -9.0 |
| 03:05 AM - 03:10 AM | 42.3 | 51.8 | -9.5 | 7.0 | - | 38.3 | 47.8 | -9.5 |
| 03:10 AM - 03:15 AM | 45.6 | 51.8 | -6.2 | 7.0 | - | 41.6 | 47.8 | -6.2 |
| 03:15 AM - 03:20 AM | 44.6 | 51.8 | -7.2 | 7.0 | - | 40.6 | 47.8 | -7.2 |
| 03:20 AM - 03:25 AM | 44.5 | 51.8 | -7.3 | 7.0 | - | 40.5 | 47.8 | -7.3 |
| 03:25 AM - 03:30 AM | 45.7 | 51.8 | -6.1 | 7.0 | - | 41.7 | 47.8 | -6.1 |
| 03:30 AM - 03:35 AM | 44.6 | 51.8 | -7.2 | 7.0 | - | 40.6 | 47.8 | -7.2 |
| 03:35 AM - 03:40 AM | 45.3 | 51.8 | -6.5 | 7.0 | - | 41.3 | 47.8 | -6.5 |
| 03:40 AM - 03:45 AM | 47.0 | 51.8 | -4.8 | 7.0 | - | 43.0 | 47.8 | -4.8 |
| 03:45 AM - 03:50 AM | 48.8 | 51.8 | -3.0 | 7.0 | - | 44.8 | 47.8 | -3.0 |
| 03:50 AM - 03:55 AM | 42.2 | 51.8 | -9.6 | 7.0 | - | 38.2 | 47.8 | -9.6 |
| 03:55 AM - 04:00 AM | 44.8 | 51.8 | -7.0 | 7.0 | - | 40.8 | 47.8 | -7.0 |

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Approved by

Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyngphon, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number : 2402118-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Page 1 of 3

Sample No. 2286957-29
Parameter เสียงรบกวน
Location Moo 3 Mabyangorn (N2) (GPS 47P 0732339, 1437041)
Measurement Date Aug 05 - 06, 2022
Measurement by Satcha Phetsaewang
Sound Level Meter 01073608

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงรบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-------------------------|--------------------|------------|----------------------------|---------|------------|------------------|
| | | | ผลต่าง | ตัวปรับค่า | ค่าจริง | ค่าปรับ | | |
| 02:00 PM - 02:05 PM | 54.3 | 57.6 | -3.3 | 7.0 | 47.3 | - | 47.5 | -0.2 |
| 02:05 PM - 02:10 PM | 56.1 | 57.6 | -1.5 | 7.0 | 49.1 | - | 47.5 | 1.6 |
| 02:10 PM - 02:15 PM | 56.0 | 57.6 | -1.6 | 7.0 | 49.0 | - | 47.5 | 1.5 |
| 02:15 PM - 02:20 PM | 53.7 | 57.6 | -3.9 | 7.0 | 46.7 | - | 47.5 | -0.8 |
| 02:20 PM - 02:25 PM | 60.2 | 57.6 | 2.6 | 7.0 | 57.2 | - | 47.5 | 9.7 |
| 02:25 PM - 02:30 PM | 54.8 | 57.6 | -2.8 | 7.0 | 47.8 | - | 47.5 | 0.3 |
| 02:30 PM - 02:35 PM | 55.0 | 57.6 | -2.6 | 7.0 | 48.0 | - | 47.5 | 0.5 |
| 02:35 PM - 02:40 PM | 51.3 | 57.6 | -6.3 | 7.0 | 44.3 | - | 47.5 | -3.2 |
| 02:40 PM - 02:45 PM | 49.4 | 51.8 | -2.4 | 7.0 | - | 45.4 | 47.8 | -2.4 |
| 02:45 PM - 02:50 PM | 48.5 | 51.8 | -3.3 | 7.0 | - | 44.5 | 47.8 | -3.3 |
| 02:50 PM - 02:55 PM | 47.8 | 51.8 | -4.0 | 7.0 | - | 43.8 | 47.8 | -4.0 |
| 02:55 PM - 03:00 PM | 46.7 | 51.8 | -5.1 | 7.0 | - | 42.7 | 47.8 | -5.1 |
| 03:00 PM - 03:05 PM | 47.2 | 51.8 | -4.6 | 7.0 | - | 43.2 | 47.8 | -4.6 |
| 03:05 PM - 03:10 PM | 46.5 | 51.8 | -5.3 | 7.0 | - | 42.5 | 47.8 | -5.3 |
| 03:10 PM - 03:15 PM | 46.7 | 51.8 | -5.1 | 7.0 | - | 42.7 | 47.8 | -5.1 |
| 03:15 PM - 03:20 PM | 47.2 | 51.8 | -4.6 | 7.0 | - | 43.2 | 47.8 | -4.6 |
| 03:20 PM - 03:25 PM | 46.7 | 51.8 | -5.1 | 7.0 | - | 42.7 | 47.8 | -5.1 |
| 03:25 PM - 03:30 PM | 46.7 | 51.8 | -5.1 | 7.0 | - | 42.7 | 47.8 | -5.1 |
| 03:30 PM - 03:35 PM | 47.2 | 51.8 | -4.6 | 7.0 | - | 43.2 | 47.8 | -4.6 |
| 03:35 PM - 03:40 PM | 48.2 | 51.8 | -3.6 | 7.0 | - | 44.2 | 47.8 | -3.6 |
| 03:40 PM - 03:45 PM | 47.2 | 51.8 | -4.6 | 7.0 | - | 43.2 | 47.8 | -4.6 |
| 03:45 PM - 03:50 PM | 46.7 | 51.8 | -5.1 | 7.0 | - | 42.7 | 47.8 | -5.1 |
| 03:50 PM - 03:55 PM | 48.9 | 51.8 | -2.9 | 7.0 | - | 44.9 | 47.8 | -2.9 |
| 03:55 PM - 04:00 PM | 48.7 | 51.8 | -3.1 | 7.0 | - | 44.7 | 47.8 | -3.1 |
| 11:00 PM - 11:05 PM | 49.6 | 51.8 | -2.2 | 7.0 | - | 45.6 | 47.8 | -2.2 |
| 11:05 PM - 11:10 PM | 50.0 | 51.8 | -1.8 | 7.0 | - | 46.0 | 47.8 | -1.8 |
| 11:10 PM - 11:15 PM | 51.7 | 51.8 | -0.1 | 7.0 | - | 46.7 | 47.8 | -0.1 |
| 11:15 PM - 11:20 PM | 46.2 | 51.8 | -5.6 | 7.0 | - | 42.2 | 47.8 | -5.6 |
| 11:20 PM - 11:25 PM | 48.6 | 51.8 | -3.2 | 7.0 | - | 44.6 | 47.8 | -3.2 |
| 11:25 PM - 11:30 PM | 47.9 | 51.8 | -4.9 | 7.0 | - | 42.9 | 47.8 | -4.9 |
| 11:30 PM - 11:35 PM | 47.7 | 51.8 | -4.1 | 7.0 | - | 43.7 | 47.8 | -4.1 |
| 11:35 PM - 11:40 PM | 50.0 | 51.8 | -1.8 | 7.0 | - | 46.0 | 47.8 | -1.8 |
| 11:40 PM - 11:45 PM | 47.3 | 51.8 | -4.5 | 7.0 | - | 43.3 | 47.8 | -4.5 |
| 11:45 PM - 11:50 PM | 48.3 | 51.8 | -3.5 | 7.0 | - | 44.3 | 47.8 | -3.5 |
| 11:50 PM - 11:55 PM | 46.2 | 51.8 | -5.6 | 7.0 | - | 42.2 | 47.8 | -5.6 |
| 11:55 PM - 12:00 AM | 46.0 | 51.8 | -5.8 | 7.0 | - | 42.0 | 47.8 | -5.8 |
| 12:00 AM - 12:05 AM | 47.0 | 51.8 | -4.8 | 7.0 | - | 43.0 | 47.8 | -4.8 |
| 12:05 AM - 12:10 AM | 53.2 | 51.8 | 1.4 | 7.0 | - | 49.2 | 47.8 | 1.4 |
| 12:10 AM - 12:15 AM | 45.9 | 51.8 | -5.9 | 7.0 | - | 41.9 | 47.8 | -5.9 |
| 12:15 AM - 12:20 AM | 44.3 | 51.8 | -7.5 | 7.0 | - | 40.3 | 47.8 | -7.5 |
| 12:20 AM - 12:25 AM | 46.8 | 51.8 | -5.0 | 7.0 | - | 42.8 | 47.8 | -5.0 |
| 12:25 AM - 12:30 AM | 47.0 | 51.8 | -4.8 | 7.0 | - | 43.0 | 47.8 | -4.8 |
| 12:30 AM - 12:35 AM | 46.4 | 51.8 | -5.4 | 7.0 | - | 42.4 | 47.8 | -5.4 |
| 12:35 AM - 12:40 AM | 52.2 | 51.8 | 0.4 | 7.0 | - | 48.2 | 47.8 | 0.4 |

The above results are valid only for the area and period specified in this report. No part of this report or certificate may be reproduced in any form without the written consent from the Laboratory. A.S. Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyngphon, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number : 2402117-1

P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Page 3 of 3

Sample No. 2286957-28
Parameter เสียงรบกวน
Location Moo 3 Mabyangorn (N2) (GPS 47P 0732339, 1437041)
Measurement Date Aug 04 - 05, 2022
Measurement by Satcha Phetsaewang
Sound Level Meter 01073608

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงรบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-------------------------|--------------------|------------|----------------------------|---------|------------|------------------|
| | | | ผลต่าง | ตัวปรับค่า | ค่าจริง | ค่าปรับ | | |
| 04:00 AM - 04:05 AM | 45.6 | 51.8 | -6.2 | 7.0 | - | 41.6 | 47.8 | -6.2 |
| 04:05 AM - 04:10 AM | 46.1 | 51.8 | -5.7 | 7.0 | - | 42.1 | 47.8 | -5.7 |
| 04:10 AM - 04:15 AM | 44.9 | 51.8 | -6.9 | 7.0 | - | 40.9 | 47.8 | -6.9 |
| 04:15 AM - 04:20 AM | 44.4 | 51.8 | -7.4 | 7.0 | - | 40.4 | 47.8 | -7.4 |
| 04:20 AM - 04:25 AM | 46.1 | 51.8 | -5.7 | 7.0 | - | 42.1 | 47.8 | -5.7 |
| 04:25 AM - 04:30 AM | 43.6 | 51.8 | -8.2 | 7.0 | - | 39.6 | 47.8 | -8.2 |
| 04:30 AM - 04:35 AM | 44.8 | 51.8 | -7.0 | 7.0 | - | 40.8 | 47.8 | -7.0 |
| 04:35 AM - 04:40 AM | 48.7 | 51.8 | -3.1 | 7.0 | - | 44.7 | 47.8 | -3.1 |
| 04:40 AM - 04:45 AM | 45.2 | 51.8 | -6.6 | 7.0 | - | 41.2 | 47.8 | -6.6 |
| 04:45 AM - 04:50 AM | 44.9 | 51.8 | -6.9 | 7.0 | - | 40.9 | 47.8 | -6.9 |
| 04:50 AM - 04:55 AM | 47.4 | 51.8 | -4.4 | 7.0 | - | 43.4 | 47.8 | -4.4 |
| 04:55 AM - 05:00 AM | 50.3 | 51.8 | -1.5 | 7.0 | - | 46.3 | 47.8 | -1.5 |
| 05:00 AM - 05:05 AM | 49.1 | 51.8 | -2.7 | 7.0 | - | 45.1 | 47.8 | -2.7 |
| 05:05 AM - 05:10 AM | 47.2 | 51.8 | -4.6 | 7.0 | - | 43.2 | 47.8 | -4.6 |
| 05:10 AM - 05:15 AM | 46.6 | 51.8 | -5.2 | 7.0 | - | 42.6 | 47.8 | -5.2 |
| 05:15 AM - 05:20 AM | 47.5 | 51.8 | -4.3 | 7.0 | - | 43.5 | 47.8 | -4.3 |
| 05:20 AM - 05:25 AM | 49.7 | 51.8 | -2.1 | 7.0 | - | 45.7 | 47.8 | -2.1 |
| 05:25 AM - 05:30 AM | 50.4 | 51.8 | -1.4 | 7.0 | - | 46.4 | 47.8 | -1.4 |
| 05:30 AM - 05:35 AM | 49.7 | 51.8 | -2.1 | 7.0 | - | 45.7 | 47.8 | -2.1 |
| 05:35 AM - 05:40 AM | 51.7 | 51.8 | -0.1 | 7.0 | - | 47.7 | 47.8 | -0.1 |
| 05:40 AM - 05:45 AM | 51.9 | 51.8 | 0.1 | 7.0 | - | 47.9 | 47.8 | 0.1 |
| 05:45 AM - 05:50 AM | 53.8 | 51.8 | 2.0 | 4.5 | - | 52.3 | 47.8 | 4.5 |
| 05:50 AM - 05:55 AM | 53.1 | 51.8 | 1.3 | 7.0 | - | 49.1 | 47.8 | 1.3 |
| 05:55 AM - 06:00 AM | 52.7 | 51.8 | 0.9 | 7.0 | - | 48.7 | 47.8 | 0.9 |
| 06:00 AM - 07:00 AM | 55.0 | 57.6 | -2.6 | 7.0 | 48.0 | - | 47.5 | 0.5 |
| 07:00 AM - 08:00 AM | 54.5 | 57.6 | -3.1 | 7.0 | 47.5 | - | 47.5 | 0.5 |
| 08:00 AM - 09:00 AM | 54.2 | 57.6 | -3.4 | 7.0 | 47.2 | - | 47.5 | -0.3 |
| 09:00 AM - 10:00 AM | 58.1 | 57.6 | 0.5 | 7.0 | 58.1 | - | 47.5 | 3.6 |
| 10:00 AM - 11:00 AM | 61.0 | 57.6 | 3.4 | 3.0 | 58.0 | - | 47.5 | 19.5 |
| 11:00 AM - 12:00 PM | 54.5 | 57.6 | -3.1 | 7.0 | 47.5 | - | 47.5 | 0.5 |
| 12:00 PM - 01:00 PM | 54.4 | 57.6 | -3.2 | 7.0 | 47.4 | - | 47.5 | -0.1 |
| 01:00 PM - 02:00 PM | 53.5 | 57.6 | -4.1 | 7.0 | 46.5 | - | 47.5 | -1.0 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number: 2402118-1

Sample No. 2286957-29
Parameter เสียงรบกวน
Location Moo 3 Mabyangporm (N2) (GPS 47P 0732339, 1437041)
Measurement Date Aug 06 - 07, 2022
Measurement by Satcha Phetsavang
Sound Level Meter 01073508

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|-------------|------------------|
| | | | | | กลางคืน | กลางวัน | | |
| 04:00 AM - 04:05 AM | 43.2 | 51.8 | -8.6 | 7.0 | - | 39.2 | 47.8 | -8.6 |
| 04:05 AM - 04:10 AM | 43.8 | 51.8 | -8.0 | 7.0 | - | 39.8 | 47.8 | -8.0 |
| 04:10 AM - 04:15 AM | 45.7 | 51.8 | -6.1 | 7.0 | - | 41.7 | 47.8 | -6.1 |
| 04:15 AM - 04:20 AM | 43.0 | 51.8 | -8.8 | 7.0 | - | 39.0 | 47.8 | -8.8 |
| 04:20 AM - 04:25 AM | 49.1 | 51.8 | -2.7 | 7.0 | - | 45.1 | 47.8 | -2.7 |
| 04:25 AM - 04:30 AM | 46.5 | 51.8 | -5.3 | 7.0 | - | 42.5 | 47.8 | -5.3 |
| 04:30 AM - 04:35 AM | 47.6 | 51.8 | -4.2 | 7.0 | - | 43.6 | 47.8 | -4.2 |
| 04:35 AM - 04:40 AM | 45.3 | 51.8 | -6.5 | 7.0 | - | 41.3 | 47.8 | -6.5 |
| 04:40 AM - 04:45 AM | 44.6 | 51.8 | -7.2 | 7.0 | - | 40.6 | 47.8 | -7.2 |
| 04:45 AM - 04:50 AM | 52.6 | 51.8 | 0.8 | 7.0 | - | 48.6 | 47.8 | 0.8 |
| 04:50 AM - 04:55 AM | 44.6 | 51.8 | -7.2 | 7.0 | - | 40.6 | 47.8 | -7.2 |
| 04:55 AM - 05:00 AM | 44.0 | 51.8 | -7.8 | 7.0 | - | 40.0 | 47.8 | -7.8 |
| 05:00 AM - 05:05 AM | 44.5 | 51.8 | -7.3 | 7.0 | - | 40.5 | 47.8 | -7.3 |
| 05:05 AM - 05:10 AM | 48.9 | 51.8 | -2.9 | 7.0 | - | 44.9 | 47.8 | -2.9 |
| 05:10 AM - 05:15 AM | 50.1 | 51.8 | -1.7 | 7.0 | - | 46.1 | 47.8 | -1.7 |
| 05:15 AM - 05:20 AM | 51.0 | 51.8 | -0.8 | 7.0 | - | 47.0 | 47.8 | -0.8 |
| 05:20 AM - 05:25 AM | 48.6 | 51.8 | -3.2 | 7.0 | - | 44.6 | 47.8 | -3.2 |
| 05:25 AM - 05:30 AM | 45.8 | 51.8 | -6.0 | 7.0 | - | 41.8 | 47.8 | -6.0 |
| 05:30 AM - 05:35 AM | 50.6 | 51.8 | -1.2 | 7.0 | - | 46.6 | 47.8 | -1.2 |
| 05:35 AM - 05:40 AM | 50.9 | 51.8 | -0.9 | 7.0 | - | 46.9 | 47.8 | -0.9 |
| 05:40 AM - 05:45 AM | 49.8 | 51.8 | -2.0 | 7.0 | - | 45.8 | 47.8 | -2.0 |
| 05:45 AM - 05:50 AM | 50.8 | 51.8 | -1.0 | 7.0 | - | 46.8 | 47.8 | -1.0 |
| 05:50 AM - 05:55 AM | 52.7 | 51.8 | 0.9 | 7.0 | - | 48.7 | 47.8 | 0.9 |
| 05:55 AM - 06:00 AM | 51.4 | 51.8 | -0.4 | 7.0 | - | 47.4 | 47.8 | -0.4 |
| 06:00 AM - 07:00 AM | 56.3 | 57.6 | -1.3 | 7.0 | 49.3 | - | 47.5 | 1.8 |
| 07:00 AM - 08:00 AM | 54.4 | 57.6 | -3.2 | 7.0 | 47.4 | - | 47.5 | -0.1 |
| 08:00 AM - 09:00 AM | 54.7 | 57.6 | -2.9 | 7.0 | 47.7 | - | 47.5 | 0.2 |
| 09:00 AM - 10:00 AM | 49.9 | 57.6 | -7.7 | 7.0 | 42.9 | - | 47.5 | -4.6 |
| 10:00 AM - 11:00 AM | 53.9 | 57.6 | -3.7 | 7.0 | 46.9 | - | 47.5 | -0.6 |
| 11:00 AM - 12:00 PM | 50.3 | 57.6 | -7.3 | 7.0 | 43.3 | - | 47.5 | -4.2 |
| 12:00 PM - 01:00 PM | 55.1 | 57.6 | -2.5 | 7.0 | 48.1 | - | 47.5 | 0.6 |
| 01:00 PM - 02:00 PM | 55.8 | 57.6 | -1.8 | 7.0 | 48.8 | - | 47.5 | 1.3 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่อาจจากการประกอบกิจการโรงงาน พ.ศ. 2548
 2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงที่อาจจากการประกอบกิจการโรงงาน พ.ศ. 2550
 3. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงที่อาจจากการประกอบกิจการโรงงาน พ.ศ. 2550 และประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงที่อาจจากการประกอบกิจการโรงงาน พ.ศ. 2553
 4. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงที่อาจจากการประกอบกิจการโรงงาน พ.ศ. 2551
- ระดับเสียงการรบกวนที่ฐาน พิกัด 02-03 คือค่า 2565
ระดับเสียงการรบกวนที่ฐาน พิกัด 02-03 คือค่า 2565

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Approved by

Dej Changnon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number: 2402119-1

Sample No. 2286957-30
Parameter เสียงรบกวน
Location Moo 3 Mabyangporm (N2) (GPS 47P 0732339, 1437041)
Measurement Date Aug 06 - 07, 2022
Measurement by Satcha Phetsavang
Sound Level Meter 01073508

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|-------------|------------------|
| | | | | | กลางคืน | กลางวัน | | |
| 12:40 AM - 12:45 AM | 44.4 | 51.8 | -7.4 | 7.0 | - | 40.4 | 47.8 | -7.4 |
| 12:45 AM - 12:50 AM | 44.6 | 51.8 | -7.2 | 7.0 | - | 40.6 | 47.8 | -7.2 |
| 12:50 AM - 12:55 AM | 50.8 | 51.8 | -1.0 | 7.0 | - | 46.8 | 47.8 | -1.0 |
| 12:55 AM - 01:00 AM | 44.5 | 51.8 | -7.3 | 7.0 | - | 40.5 | 47.8 | -7.3 |
| 01:00 AM - 01:05 AM | 46.4 | 51.8 | -5.4 | 7.0 | - | 42.4 | 47.8 | -5.4 |
| 01:05 AM - 01:10 AM | 44.7 | 51.8 | -7.1 | 7.0 | - | 40.7 | 47.8 | -7.1 |
| 01:10 AM - 01:15 AM | 47.4 | 51.8 | -4.4 | 7.0 | - | 43.4 | 47.8 | -4.4 |
| 01:15 AM - 01:20 AM | 44.8 | 51.8 | -7.0 | 7.0 | - | 40.8 | 47.8 | -7.0 |
| 01:20 AM - 01:25 AM | 45.5 | 51.8 | -6.3 | 7.0 | - | 41.5 | 47.8 | -6.3 |
| 01:25 AM - 01:30 AM | 48.0 | 51.8 | -3.8 | 7.0 | - | 44.0 | 47.8 | -3.8 |
| 01:30 AM - 01:35 AM | 48.3 | 51.8 | -3.5 | 7.0 | - | 44.3 | 47.8 | -3.5 |
| 01:35 AM - 01:40 AM | 44.3 | 51.8 | -7.5 | 7.0 | - | 40.3 | 47.8 | -7.5 |
| 01:40 AM - 01:45 AM | 45.8 | 51.8 | -6.0 | 7.0 | - | 41.8 | 47.8 | -6.0 |
| 01:45 AM - 01:50 AM | 44.8 | 51.8 | -7.0 | 7.0 | - | 40.8 | 47.8 | -7.0 |
| 01:50 AM - 01:55 AM | 44.1 | 51.8 | -7.7 | 7.0 | - | 40.1 | 47.8 | -7.7 |
| 01:55 AM - 02:00 AM | 46.6 | 51.8 | -5.2 | 7.0 | - | 42.6 | 47.8 | -5.2 |
| 02:00 AM - 02:05 AM | 46.0 | 51.8 | -5.8 | 7.0 | - | 42.0 | 47.8 | -5.8 |
| 02:05 AM - 02:10 AM | 44.2 | 51.8 | -7.6 | 7.0 | - | 40.2 | 47.8 | -7.6 |
| 02:10 AM - 02:15 AM | 46.6 | 51.8 | -5.2 | 7.0 | - | 42.6 | 47.8 | -5.2 |
| 02:15 AM - 02:20 AM | 44.6 | 51.8 | -7.2 | 7.0 | - | 40.6 | 47.8 | -7.2 |
| 02:20 AM - 02:25 AM | 45.6 | 51.8 | -6.2 | 7.0 | - | 41.6 | 47.8 | -6.2 |
| 02:25 AM - 02:30 AM | 45.7 | 51.8 | -6.1 | 7.0 | - | 41.7 | 47.8 | -6.1 |
| 02:30 AM - 02:35 AM | 45.2 | 51.8 | -6.6 | 7.0 | - | 41.2 | 47.8 | -6.6 |
| 02:35 AM - 02:40 AM | 46.4 | 51.8 | -5.4 | 7.0 | - | 42.4 | 47.8 | -5.4 |
| 02:40 AM - 02:45 AM | 48.3 | 51.8 | -3.5 | 7.0 | - | 44.3 | 47.8 | -3.5 |
| 02:45 AM - 02:50 AM | 44.4 | 51.8 | -7.4 | 7.0 | - | 40.4 | 47.8 | -7.4 |
| 02:50 AM - 02:55 AM | 44.3 | 51.8 | -7.5 | 7.0 | - | 40.3 | 47.8 | -7.5 |
| 02:55 AM - 03:00 AM | 44.5 | 51.8 | -7.3 | 7.0 | - | 40.5 | 47.8 | -7.3 |
| 03:00 AM - 03:05 AM | 45.4 | 51.8 | -6.4 | 7.0 | - | 41.4 | 47.8 | -6.4 |
| 03:05 AM - 03:10 AM | 44.4 | 51.8 | -7.4 | 7.0 | - | 40.4 | 47.8 | -7.4 |
| 03:10 AM - 03:15 AM | 45.2 | 51.8 | -6.6 | 7.0 | - | 41.2 | 47.8 | -6.6 |
| 03:15 AM - 03:20 AM | 44.3 | 51.8 | -7.5 | 7.0 | - | 40.3 | 47.8 | -7.5 |
| 03:20 AM - 03:25 AM | 46.6 | 51.8 | -5.2 | 7.0 | - | 42.6 | 47.8 | -5.2 |
| 03:25 AM - 03:30 AM | 48.9 | 51.8 | -2.9 | 7.0 | - | 44.9 | 47.8 | -2.9 |
| 03:30 AM - 03:35 AM | 47.7 | 51.8 | -4.1 | 7.0 | - | 43.7 | 47.8 | -4.1 |
| 03:35 AM - 03:40 AM | 46.7 | 51.8 | -5.1 | 7.0 | - | 42.7 | 47.8 | -5.1 |
| 03:40 AM - 03:45 AM | 47.5 | 51.8 | -4.3 | 7.0 | - | 43.5 | 47.8 | -4.3 |
| 03:45 AM - 03:50 AM | 50.6 | 51.8 | -1.2 | 7.0 | - | 46.6 | 47.8 | -1.2 |
| 03:50 AM - 03:55 AM | 46.7 | 51.8 | -5.1 | 7.0 | - | 42.7 | 47.8 | -5.1 |
| 03:55 AM - 04:00 AM | 43.7 | 51.8 | -8.1 | 7.0 | - | 39.7 | 47.8 | -8.1 |

The above results are valid only for the unaltered sample(s) as indicated in this report. No part of this report or data may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Dej Changnon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O :
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 2286957
Date Received: Aug 09, 2022
Date Reported: Aug 11, 2022
Report Number: 2402119-1

Sample No. 2286957-30
Parameter เสียงรบกวน
Location Moo 3 Mabyangporm (N2) (GPS 47P 0732339, 1437041)
Measurement Date Aug 06 - 07, 2022
Measurement by Satcha Phetsavang
Sound Level Meter 01073508

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|-------------|------------------|
| | | | | | กลางคืน | กลางวัน | | |
| 02:00 PM - 03:00 PM | 55.3 | 57.6 | -2.3 | 7.0 | 48.3 | - | 47.5 | 0.8 |
| 03:00 PM - 04:00 PM | 53.8 | 57.6 | -3.8 | 7.0 | 46.8 | - | 47.5 | -0.7 |
| 04:00 PM - 05:00 PM | 59.7 | 57.6 | 2.1 | 4.5 | 55.2 | - | 47.5 | 7.7 |
| 05:00 PM - 06:00 PM | 56.1 | 57.6 | -1.5 | 7.0 | 49.1 | - | 47.5 | 1.6 |
| 06:00 PM - 07:00 PM | 52.9 | 57.6 | -4.7 | 7.0 | 45.9 | - | 47.5 | -1.6 |
| 07:00 PM - 08:00 PM | 54.1 | 57.6 | -3.5 | 7.0 | 47.1 | - | 47.5 | -0.4 |
| 08:00 PM - 09:00 PM | 61.5 | 57.6 | 3.9 | 2.0 | 59.5 | - | 47.5 | 12.0 |
| 09:00 PM - 10:00 PM | 57.7 | 57.6 | 0.1 | 7.0 | 50.7 | - | 47.5 | 3.2 |
| 10:00 PM - 10:05 PM | 52.8 | 51.8 | 1.0 | 7.0 | - | 48.8 | 47.8 | 1.0 |
| 10:05 PM - 10:10 PM | 50.3 | 51.8 | -1.5 | 7.0 | - | 46.3 | 47.8 | -1.5 |
| 10:10 PM - 10:15 PM | 48.4 | 51.8 | -3.4 | 7.0 | - | 44.4 | 47.8 | -3.4 |
| 10:15 PM - 10:20 PM | 54.1 | 51.8 | 2.3 | 4.5 | - | 52.6 | 47.8 | 4.8 |
| 10:20 PM - 10:25 PM | 48.1 | 51.8 | -3.7 | 7.0 | - | 44.1 | 47.8 | -3.7 |
| 10:25 PM - 10:30 PM | 51.5 | 51.8 | -0.3 | 7.0 | - | 47.5 | 47.8 | -0.3 |
| 10:30 PM - 10:35 PM | 52.1 | 51.8 | 0.3 | 1.5 | - | 58.6 | 47.8 | 10.8 |
| 10:35 PM - 10:40 PM | 54.6 | 51.8 | 2.8 | 3.0 | - | 54.6 | 47.8 | 6.8 |
| 10:40 PM - 10:45 PM | 51.6 | 51.8 | -0.2 | 7.0 | - | 47.6 | 47.8 | -0.2 |
| 10:45 PM - 10:50 PM | 50.6 | 51.8 | -1.2 | 7.0 | - | 46.6 | 47.8 | -1.2 |
| 10:50 PM - 10:55 PM | 50.4 | 51.8 | -1.4 | 7.0 | - | 46.4 | 47.8 | -1.4 |
| 10:55 PM - 11:00 PM | 48.9 | 51.8 | -2.9 | 7.0 | - | 44.9 | 47.8 | -2.9 |
| 11:00 PM - 11:05 PM | 48.7 | 51.8 | -3.1 | 7.0 | - | 44.7 | 47.8 | -3.1 |
| 11:05 PM - 11:10 PM | 49.0 | 51.8 | -2.8 | 7.0 | - | 45.0 | 47.8 | -2.8 |
| 11:10 PM - 11:15 PM | 50.9 | 51.8 | -0.9 | 7.0 | - | 46.9 | 47.8 | -0.9 |
| 11:15 PM - 11:20 PM | 50.1 | 51.8 | -1.7 | 7.0 | - | 46.1 | 47.8 | -1.7 |
| 11:20 PM - 11:25 PM | 49.4 | 51.8 | -2.4 | 7.0 | - | 45.4 | 47.8 | -2.4 |
| 11:25 PM - 11:30 PM | 49.4 | 51.8 | -2.4 | 7.0 | - | 45.4 | 47.8 | -2.4 |
| 11:30 PM - 11:35 PM | 49.7 | 51.8 | -2.1 | 7.0 | - | 45.7 | 47.8 | -2.1 |
| 11:35 PM - 11:40 PM | 50.8 | 51.8 | -1.0 | 7.0 | - | 46.8 | 47.8 | -1.0 |
| 11:40 PM - 11:45 PM | 48.2 | 51.8 | -3.6 | 7.0 | - | 44.2 | 47.8 | -3.6 |
| 11:45 PM - 11:50 PM | 48.1 | 51.8 | -3.7 | 7.0 | - | 44.1 | 47.8 | -3.7 |
| 11:50 PM - 11:55 PM | 45.2 | 51.8 | -6.6 | 7.0 | - | 41.2 | 47.8 | -6.6 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492949-1

Page 1 of 1

| Sample Number | 22135527-1 | | |
|-----------------------------|---|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | North Fence (GPS 47P 0731791, 1438290) | | |
| Measurement Date | Nov 09 - Nov 10, 2022 | | |
| Measurement by | Ronnachai Moungma | | |
| Sound Level meter | Serial No. 296515 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 62.1 | 77.3 | 61.6 |
| 10:00 AM - 11:00 AM | 61.6 | 68.7 | 61.1 |
| 11:00 AM - 12:00 PM | 61.7 | 69.9 | 61.2 |
| 12:00 PM - 01:00 PM | 62.0 | 71.7 | 61.5 |
| 01:00 PM - 02:00 PM | 61.7 | 64.2 | 61.3 |
| 02:00 PM - 03:00 PM | 61.5 | 63.0 | 61.2 |
| 03:00 PM - 04:00 PM | 61.5 | 63.4 | 61.1 |
| 04:00 PM - 05:00 PM | 61.7 | 69.7 | 61.3 |
| 05:00 PM - 06:00 PM | 61.9 | 72.7 | 61.4 |
| 06:00 PM - 07:00 PM | 61.8 | 73.2 | 61.3 |
| 07:00 PM - 08:00 PM | 62.8 | 76.1 | 61.6 |
| 08:00 PM - 09:00 PM | 62.4 | 80.2 | 61.2 |
| 09:00 PM - 10:00 PM | 61.5 | 76.6 | 60.9 |
| 10:00 PM - 11:00 PM | 61.0 | 71.4 | 60.3 |
| 11:00 PM - 12:00 AM | 60.6 | 70.8 | 60.0 |
| 12:00 AM - 01:00 AM | 61.0 | 71.5 | 60.3 |
| 01:00 AM - 02:00 AM | 61.3 | 73.8 | 60.5 |
| 02:00 AM - 03:00 AM | 61.2 | 76.0 | 60.0 |
| 03:00 AM - 04:00 AM | 60.4 | 75.5 | 59.5 |
| 04:00 AM - 05:00 AM | 60.9 | 72.6 | 60.0 |
| 05:00 AM - 06:00 AM | 61.1 | 72.6 | 60.2 |
| 06:00 AM - 07:00 AM | 61.1 | 75.2 | 60.1 |
| 07:00 AM - 08:00 AM | 61.4 | 75.5 | 60.5 |
| 08:00 AM - 09:00 AM | 61.3 | 76.9 | 60.3 |
| Leq Average 24 hrs. (dB(A)) | 61.5 | | |
| Lmax (dB(A)) | | 80.2 | |
| L90 (dB(A)) | | | 60.9 |
| Ldn (dB(A)) | 67.5 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method | ISO1996-1 and 1996-2 | | |
| Standard | 1. ใช้มาตรฐานการประเมินผลเสียงรบกวน ฉบับที่ 15 (พ.ศ. 2540) สำหรับการตรวจวัดระดับเสียงใน 2. ใช้มาตรฐานการประเมินผลเสียงรบกวน ฉบับที่ 15 (พ.ศ. 2540) สำหรับการตรวจวัดระดับเสียงใน ทั้งงาน พ.ศ. 2548 | | |
| Remark | The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak.
Thanita Kulsunwong
Scientist (4)

Approved by

Supt S
Supt Salamteh
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

S (Report)_Air Noise (p1 1 17PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492951-1

Page 1 of 1

| Sample Number | 22135527-3 | | |
|-----------------------------|---|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | North Fence (GPS 47P 0731791, 1438290) | | |
| Measurement Date | Nov 11 - Nov 12, 2022 | | |
| Measurement by | Ronnachai Moungma | | |
| Sound Level meter | Serial No. 296515 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 59.1 | 68.5 | 58.5 |
| 10:00 AM - 11:00 AM | 58.4 | 66.3 | 57.7 |
| 11:00 AM - 12:00 PM | 59.0 | 73.7 | 58.1 |
| 12:00 PM - 01:00 PM | 58.6 | 69.4 | 57.9 |
| 01:00 PM - 02:00 PM | 58.7 | 68.8 | 58.0 |
| 02:00 PM - 03:00 PM | 58.2 | 71.0 | 57.4 |
| 03:00 PM - 04:00 PM | 58.3 | 66.6 | 57.5 |
| 04:00 PM - 05:00 PM | 60.1 | 70.2 | 59.4 |
| 05:00 PM - 06:00 PM | 63.4 | 73.3 | 62.3 |
| 06:00 PM - 07:00 PM | 62.5 | 78.3 | 61.7 |
| 07:00 PM - 08:00 PM | 62.5 | 69.3 | 61.9 |
| 08:00 PM - 09:00 PM | 62.4 | 69.2 | 61.9 |
| 09:00 PM - 10:00 PM | 62.4 | 68.3 | 61.9 |
| 10:00 PM - 11:00 PM | 63.1 | 70.3 | 61.9 |
| 11:00 PM - 12:00 AM | 62.4 | 82.6 | 61.9 |
| 12:00 AM - 01:00 AM | 62.4 | 67.5 | 62.0 |
| 01:00 AM - 02:00 AM | 62.4 | 64.4 | 62.1 |
| 02:00 AM - 03:00 AM | 62.4 | 65.2 | 62.1 |
| 03:00 AM - 04:00 AM | 62.2 | 67.7 | 61.8 |
| 04:00 AM - 05:00 AM | 62.5 | 71.1 | 62.2 |
| 05:00 AM - 06:00 AM | 62.9 | 75.7 | 62.3 |
| 06:00 AM - 07:00 AM | 62.8 | 68.4 | 62.4 |
| 07:00 AM - 08:00 AM | 62.9 | 81.2 | 62.5 |
| 08:00 AM - 09:00 AM | 62.5 | 66.6 | 62.0 |
| Leq Average 24 hrs. (dB(A)) | 61.7 | | |
| Lmax (dB(A)) | | 82.6 | |
| L90 (dB(A)) | | | 61.9 |
| Ldn (dB(A)) | 68.8 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method | ISO1996-1 and 1996-2 | | |
| Standard | 1. ใช้มาตรฐานการประเมินผลเสียงรบกวน ฉบับที่ 15 (พ.ศ. 2540) สำหรับการตรวจวัดระดับเสียงใน 2. ใช้มาตรฐานการประเมินผลเสียงรบกวน ฉบับที่ 15 (พ.ศ. 2540) สำหรับการตรวจวัดระดับเสียงใน ทั้งงาน พ.ศ. 2548 | | |
| Remark | The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak.
Thanita Kulsunwong
Scientist (4)

Approved by

Supt S
Supt Salamteh
Section Head

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

S (Report)_Air Noise (p1 1 17PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492950-1

Page 1 of 1

| Sample Number | 22135527-2 | | |
|-----------------------------|---|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | North Fence (GPS 47P 0731791, 1438290) | | |
| Measurement Date | Nov 10 - Nov 11, 2022 | | |
| Measurement by | Ronnachai Moungma | | |
| Sound Level meter | Serial No. 296515 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 60.9 | 68.2 | 60.3 |
| 10:00 AM - 11:00 AM | 60.6 | 67.8 | 60.2 |
| 11:00 AM - 12:00 PM | 60.8 | 70.5 | 60.1 |
| 12:00 PM - 01:00 PM | 61.1 | 67.1 | 60.6 |
| 01:00 PM - 02:00 PM | 61.2 | 66.6 | 60.7 |
| 02:00 PM - 03:00 PM | 61.2 | 66.2 | 60.7 |
| 03:00 PM - 04:00 PM | 61.6 | 76.1 | 60.8 |
| 04:00 PM - 05:00 PM | 62.5 | 70.8 | 61.6 |
| 05:00 PM - 06:00 PM | 62.5 | 77.2 | 61.8 |
| 06:00 PM - 07:00 PM | 62.9 | 75.7 | 62.2 |
| 07:00 PM - 08:00 PM | 63.0 | 67.4 | 62.5 |
| 08:00 PM - 09:00 PM | 62.4 | 66.8 | 62.0 |
| 09:00 PM - 10:00 PM | 62.2 | 64.1 | 61.9 |
| 10:00 PM - 11:00 PM | 63.2 | 81.2 | 62.1 |
| 11:00 PM - 12:00 AM | 62.9 | 77.4 | 62.2 |
| 12:00 AM - 01:00 AM | 59.3 | 70.1 | 59.0 |
| 01:00 AM - 02:00 AM | 59.5 | 61.9 | 59.2 |
| 02:00 AM - 03:00 AM | 59.1 | 67.3 | 58.8 |
| 03:00 AM - 04:00 AM | 59.4 | 62.5 | 59.1 |
| 04:00 AM - 05:00 AM | 59.7 | 68.0 | 59.4 |
| 05:00 AM - 06:00 AM | 59.9 | 73.7 | 59.0 |
| 06:00 AM - 07:00 AM | 60.2 | 71.3 | 59.8 |
| 07:00 AM - 08:00 AM | 59.5 | 69.9 | 59.0 |
| 08:00 AM - 09:00 AM | 59.3 | 71.6 | 58.6 |
| Leq Average 24 hrs. (dB(A)) | 61.2 | | |
| Lmax (dB(A)) | | 81.2 | |
| L90 (dB(A)) | | | 60.2 |
| Ldn (dB(A)) | 67.1 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method | ISO1996-1 and 1996-2 | | |
| Standard | 1. ใช้มาตรฐานการประเมินผลเสียงรบกวน ฉบับที่ 15 (พ.ศ. 2540) สำหรับการตรวจวัดระดับเสียงใน 2. ใช้มาตรฐานการประเมินผลเสียงรบกวน ฉบับที่ 15 (พ.ศ. 2540) สำหรับการตรวจวัดระดับเสียงใน ทั้งงาน พ.ศ. 2548 | | |
| Remark | The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak.
Thanita Kulsunwong
Scientist (4)

Approved by

Supt S
Supt Salamteh
Section Head

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

S (Report)_Air Noise (p1 1 17PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492953-1

Page 1 of 1

| Sample Number | 22135527-5 | | |
|-----------------------------|--|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | North Fence (GPS 47P 0731791, 1438290) | | |
| Measurement Date | Nov 13 - Nov 14, 2022 | | |
| Measurement by | Ronnachai Meungma | | |
| Sound level meter | Serial No. 296515 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 62.2 | 80.2 | 61.6 |
| 10:00 AM - 11:00 AM | 61.7 | 68.0 | 61.0 |
| 11:00 AM - 12:00 PM | 61.7 | 66.4 | 61.0 |
| 12:00 PM - 01:00 PM | 61.7 | 67.7 | 61.0 |
| 01:00 PM - 02:00 PM | 62.2 | 66.3 | 61.6 |
| 02:00 PM - 03:00 PM | 62.1 | 67.2 | 61.3 |
| 03:00 PM - 04:00 PM | 61.9 | 67.6 | 61.2 |
| 04:00 PM - 05:00 PM | 62.2 | 74.2 | 61.4 |
| 05:00 PM - 06:00 PM | 62.4 | 67.6 | 61.7 |
| 06:00 PM - 07:00 PM | 62.5 | 71.2 | 62.0 |
| 07:00 PM - 08:00 PM | 62.4 | 68.5 | 62.0 |
| 08:00 PM - 09:00 PM | 62.3 | 68.9 | 62.0 |
| 09:00 PM - 10:00 PM | 62.3 | 65.0 | 61.9 |
| 10:00 PM - 11:00 PM | 62.3 | 81.7 | 61.9 |
| 11:00 PM - 12:00 AM | 62.1 | 66.0 | 61.8 |
| 12:00 AM - 01:00 AM | 62.2 | 69.0 | 61.8 |
| 01:00 AM - 02:00 AM | 62.3 | 66.1 | 62.0 |
| 02:00 AM - 03:00 AM | 62.4 | 63.7 | 62.0 |
| 03:00 AM - 04:00 AM | 62.2 | 66.2 | 61.8 |
| 04:00 AM - 05:00 AM | 62.3 | 65.5 | 62.0 |
| 05:00 AM - 06:00 AM | 62.7 | 71.0 | 62.2 |
| 06:00 AM - 07:00 AM | 62.6 | 67.9 | 62.1 |
| 07:00 AM - 08:00 AM | 62.5 | 70.2 | 62.1 |
| 08:00 AM - 09:00 AM | 62.3 | 66.5 | 61.8 |
| Leq Average 24 hrs. (dB(A)) | 62.2 | | |
| Lmax (dB(A)) | | 81.7 | |
| L90 (dB(A)) | | | 61.8 |
| Ldn (dB(A)) | 68.7 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

Standard 1. วิธีการทดสอบการวัดระดับเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ที่กำหนดโดยกรมควบคุมมลพิษ
2. วิธีการทดสอบการวัดระดับเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ที่กำหนดโดยกรมควบคุมมลพิษ และวิธีคำนวณค่าเฉลี่ยตามข้อกำหนด
ของกรม พ.ศ. 2548

Remark The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulsurwong
Scientist (4)

Approved by

Supot S
Supot Salameh
Section Head

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

S:\Report_Air Noise\sp1 (118PM)

1550-21J/ENGL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492953-1

Page 1 of 1

| Sample Number | 22135527-7 | | |
|-----------------------------|---------------------------------------|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | East Fence (GPS 47P 0731864, 1438230) | | |
| Measurement Date | Nov 10 - Nov 11, 2022 | | |
| Measurement by | Ronnachai Moungma | | |
| Sound Level meter | Serial No. 1222723 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 10:00 AM - 11:00 AM | 56.4 | 68.5 | 53.8 |
| 11:00 AM - 12:00 PM | 56.0 | 69.6 | 53.6 |
| 12:00 PM - 01:00 PM | 55.7 | 70.8 | 53.3 |
| 01:00 PM - 02:00 PM | 56.1 | 70.7 | 54.8 |
| 02:00 PM - 03:00 PM | 60.7 | 68.8 | 59.9 |
| 03:00 PM - 04:00 PM | 62.5 | 70.9 | 62.1 |
| 04:00 PM - 05:00 PM | 62.7 | 72.1 | 62.3 |
| 05:00 PM - 06:00 PM | 62.8 | 72.2 | 62.1 |
| 06:00 PM - 07:00 PM | 62.7 | 71.1 | 62.0 |
| 07:00 PM - 08:00 PM | 62.7 | 75.1 | 62.1 |
| 08:00 PM - 09:00 PM | 62.5 | 73.4 | 61.4 |
| 09:00 PM - 10:00 PM | 62.9 | 76.3 | 62.2 |
| 10:00 PM - 11:00 PM | 59.3 | 73.0 | 58.7 |
| 11:00 PM - 12:00 AM | 55.5 | 66.9 | 54.8 |
| 12:00 AM - 01:00 AM | 55.3 | 64.2 | 54.7 |
| 01:00 AM - 02:00 AM | 54.9 | 69.7 | 54.2 |
| 02:00 AM - 03:00 AM | 54.4 | 67.0 | 54.0 |
| 03:00 AM - 04:00 AM | 54.6 | 63.8 | 54.3 |
| 04:00 AM - 05:00 AM | 54.4 | 60.8 | 54.1 |
| 05:00 AM - 06:00 AM | 56.1 | 68.3 | 54.6 |
| 06:00 AM - 07:00 AM | 56.6 | 66.9 | 54.7 |
| 07:00 AM - 08:00 AM | 58.4 | 73.9 | 55.6 |
| 08:00 AM - 09:00 AM | 60.8 | 71.5 | 56.6 |
| 09:00 AM - 10:00 AM | 57.0 | 72.5 | 54.0 |
| Leq Average 24 hrs. (dB(A)) | 59.6 | | |
| Lmax (dB(A)) | | 76.3 | |
| L90 (dB(A)) | | | 54.8 |
| Ldn (dB(A)) | 63.5 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

Standard 1. วิธีการทดสอบการวัดระดับเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ที่กำหนดโดยกรมควบคุมมลพิษ
2. วิธีการทดสอบการวัดระดับเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ที่กำหนดโดยกรมควบคุมมลพิษ และวิธีคำนวณค่าเฉลี่ยตามข้อกำหนด
ของกรม พ.ศ. 2548

Remark The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulsurwong
Scientist (4)

Approved by

Supot S
Supot Salameh
Section Head

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

S:\Report_Air Noise\sp1 (118PM)

1550-21J/ENGL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492954-1

Page 1 of 1

| | | | |
|-----------------------------|---------------------------------------|--------------|-------------|
| Sample Number | 22135527-6 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | East Fence (GPS 47P 0731864, 1438230) | | |
| Measurement Date | Nov 09 - Nov 10, 2022 | | |
| Measurement by | Ronnachai Moungma | | |
| Sound Level meter | Serial No. 1222723 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 10:00 AM - 11:00 AM | 56.6 | 76.0 | 53.7 |
| 11:00 AM - 12:00 PM | 55.5 | 68.2 | 53.2 |
| 12:00 PM - 01:00 PM | 55.5 | 67.3 | 52.9 |
| 01:00 PM - 02:00 PM | 55.8 | 70.6 | 54.4 |
| 02:00 PM - 03:00 PM | 60.7 | 73.8 | 59.8 |
| 03:00 PM - 04:00 PM | 62.8 | 76.4 | 61.8 |
| 04:00 PM - 05:00 PM | 63.1 | 71.7 | 62.0 |
| 05:00 PM - 06:00 PM | 62.1 | 74.4 | 61.2 |
| 06:00 PM - 07:00 PM | 61.9 | 72.0 | 61.0 |
| 07:00 PM - 08:00 PM | 61.5 | 76.4 | 60.7 |
| 08:00 PM - 09:00 PM | 63.1 | 85.2 | 60.9 |
| 09:00 PM - 10:00 PM | 62.9 | 81.1 | 62.4 |
| 10:00 PM - 11:00 PM | 59.9 | 73.9 | 59.1 |
| 11:00 PM - 12:00 AM | 57.0 | 79.0 | 55.7 |
| 12:00 AM - 01:00 AM | 58.1 | 66.9 | 56.6 |
| 01:00 AM - 02:00 AM | 56.0 | 67.8 | 55.1 |
| 02:00 AM - 03:00 AM | 54.5 | 64.7 | 53.9 |
| 03:00 AM - 04:00 AM | 54.6 | 71.0 | 53.9 |
| 04:00 AM - 05:00 AM | 54.6 | 71.7 | 53.9 |
| 05:00 AM - 06:00 AM | 56.2 | 74.4 | 54.3 |
| 06:00 AM - 07:00 AM | 56.5 | 71.6 | 54.4 |
| 07:00 AM - 08:00 AM | 58.2 | 70.8 | 55.6 |
| 08:00 AM - 09:00 AM | 60.5 | 71.9 | 56.2 |
| 09:00 AM - 10:00 AM | 56.9 | 69.7 | 54.1 |
| Leq Average 24 hrs. (dB(A)) | 59.6 | | |
| Lmax (dB(A)) | | 85.2 | |
| L90 (dB(A)) | | | 55.6 |
| Ldn (dB(A)) | 64.0 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

Standard 1. วิธีการทดสอบการวัดระดับเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ที่กำหนดโดยกรมควบคุมมลพิษ
2. วิธีการทดสอบการวัดระดับเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ที่กำหนดโดยกรมควบคุมมลพิษ และวิธีคำนวณค่าเฉลี่ยตามข้อกำหนด
ของกรม พ.ศ. 2548

Remark The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulsurwong
Scientist (4)

Approved by

Supot S
Supot Salameh
Section Head

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

S:\Report_Air Noise\sp1 (118PM)

1550-21J/ENGL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492956-1

Page 1 of 1

| Sample Number | 22135527-8 | | |
|-----------------------------|---------------------------------------|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | East Fence (GPS 47P 0731864, 1438230) | | |
| Measurement Date | Nov 11 - Nov 12, 2022 | | |
| Measurement by | Ronnachai Moungma | | |
| Sound Level meter | Serial No. 1222723 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 10:00 AM - 11:00 AM | 55.9 | 75.3 | 53.5 |
| 11:00 AM - 12:00 PM | 56.1 | 73.1 | 53.4 |
| 12:00 PM - 01:00 PM | 55.9 | 74.3 | 53.2 |
| 01:00 PM - 02:00 PM | 56.2 | 70.2 | 54.5 |
| 02:00 PM - 03:00 PM | 61.4 | 68.9 | 60.8 |
| 03:00 PM - 04:00 PM | 62.5 | 68.1 | 62.1 |
| 04:00 PM - 05:00 PM | 62.8 | 72.7 | 62.3 |
| 05:00 PM - 06:00 PM | 63.0 | 74.2 | 62.3 |
| 06:00 PM - 07:00 PM | 62.7 | 73.2 | 62.0 |
| 07:00 PM - 08:00 PM | 62.6 | 70.8 | 62.1 |
| 08:00 PM - 09:00 PM | 63.3 | 77.2 | 62.1 |
| 09:00 PM - 10:00 PM | 62.9 | 74.9 | 62.3 |
| 10:00 PM - 11:00 PM | 57.5 | 67.4 | 56.9 |
| 11:00 PM - 12:00 AM | 54.8 | 67.2 | 54.1 |
| 12:00 AM - 01:00 AM | 54.8 | 72.8 | 54.1 |
| 01:00 AM - 02:00 AM | 54.8 | 69.7 | 54.1 |
| 02:00 AM - 03:00 AM | 54.9 | 67.9 | 54.2 |
| 03:00 AM - 04:00 AM | 54.4 | 62.3 | 54.1 |
| 04:00 AM - 05:00 AM | 54.5 | 58.6 | 54.3 |
| 05:00 AM - 06:00 AM | 56.3 | 72.2 | 54.8 |
| 06:00 AM - 07:00 AM | 56.9 | 68.0 | 55.1 |
| 07:00 AM - 08:00 AM | 58.6 | 74.8 | 55.9 |
| 08:00 AM - 09:00 AM | 61.0 | 72.0 | 56.9 |
| 09:00 AM - 10:00 AM | 57.3 | 68.3 | 54.3 |
| Leq Average 24 hrs. (dB(A)) | 59.7 | | |
| Lmax (dB(A)) | | 77.2 | |
| L90 (dB(A)) | | | 54.8 |
| Ldn (dB(A)) | 63.3 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

Standard 1. วิธีการทดสอบการวัดระดับเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ที่กำหนดโดยกรมควบคุมมลพิษ
2. วิธีการทดสอบการวัดระดับเสียงตามข้อกำหนด 15 (พ.ศ. 2540) ที่กำหนดโดยกรมควบคุมมลพิษ และวิธีคำนวณค่าเฉลี่ยตามข้อกำหนด
ของกรม พ.ศ. 2548

Remark The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulsurwong
Scientist (4)

Approved by

Supot S
Supot Salameh
Section Head

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S:\Report_Air Noise\sp1 (118PM)

1550-21J/ENGL



Analysis / Test Report



TESTING
No.0042

Client: Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492957-1

Page 1 of 1

| | | | |
|-----------------------------|--|--------------|-------------|
| Sample Number | 22135527-9 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | East Fence (GPS 47P 0731864, 1438230) | | |
| Measurement Date | Nov 12 - Nov 13, 2022 | | |
| Measurement by | Ronnachai Moungma | | |
| Sound Level meter | Serial No. 1222723 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 10:00 AM - 11:00 AM | 56.5 | 74.2 | 53.7 |
| 11:00 AM - 12:00 PM | 56.3 | 73.9 | 53.3 |
| 12:00 PM - 01:00 PM | 56.0 | 71.8 | 53.1 |
| 01:00 PM - 02:00 PM | 56.1 | 67.3 | 54.7 |
| 02:00 PM - 03:00 PM | 59.7 | 76.2 | 58.6 |
| 03:00 PM - 04:00 PM | 61.5 | 69.2 | 60.7 |
| 04:00 PM - 05:00 PM | 61.3 | 68.3 | 60.8 |
| 05:00 PM - 06:00 PM | 62.0 | 71.1 | 61.0 |
| 06:00 PM - 07:00 PM | 61.7 | 76.3 | 60.7 |
| 07:00 PM - 08:00 PM | 61.5 | 72.0 | 60.6 |
| 08:00 PM - 09:00 PM | 62.0 | 70.7 | 60.8 |
| 09:00 PM - 10:00 PM | 62.1 | 73.5 | 61.6 |
| 10:00 PM - 11:00 PM | 59.2 | 73.2 | 58.6 |
| 11:00 PM - 12:00 AM | 55.3 | 72.9 | 54.4 |
| 12:00 AM - 01:00 AM | 55.4 | 70.4 | 54.5 |
| 01:00 AM - 02:00 AM | 55.0 | 67.5 | 54.2 |
| 02:00 AM - 03:00 AM | 54.7 | 63.9 | 54.2 |
| 03:00 AM - 04:00 AM | 54.6 | 64.5 | 54.1 |
| 04:00 AM - 05:00 AM | 54.6 | 67.1 | 54.3 |
| 05:00 AM - 06:00 AM | 57.1 | 70.4 | 55.1 |
| 06:00 AM - 07:00 AM | 57.2 | 69.3 | 55.2 |
| 07:00 AM - 08:00 AM | 57.3 | 70.7 | 55.2 |
| 08:00 AM - 09:00 AM | 59.6 | 75.7 | 55.3 |
| 09:00 AM - 10:00 AM | 55.9 | 69.6 | 53.5 |
| Leq Average 24 hrs. (dB(A)) | 58.9 | | |
| Lmax (dB(A)) | | 76.3 | |
| L90 (dB(A)) | | | 55.1 |
| Ldn (dB(A)) | 63.4 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method | ISO1996-1 and 1996-2 | | |
| Standard | 1. ใช้เกณฑ์การตรวจวัดและประเมินค่าเสียงตามข้อกำหนดของมาตรฐาน ISO 1996-1 และ 1996-2 2. ใช้เกณฑ์การตรวจวัดและประเมินค่าเสียงตามข้อกำหนดของมาตรฐาน ISO 1996-1 และ 1996-2 3. ใช้เกณฑ์การตรวจวัดและประเมินค่าเสียงตามข้อกำหนดของมาตรฐาน ISO 1996-1 และ 1996-2 | | |
| Remark | The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak.

Approved by

Supt S.

Thanita Kulsurwong
Scientist (4)

Supot Salameth
Section Head

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S:Vopart_Air Noise (p1) (118PM)

19560-21/ ENGL



Analysis / Test Report



TESTING
No.0042

Client: Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492959-1

Page 1 of 1

| | | | |
|-----------------------------|--|--------------|-------------|
| Sample Number | 22135527-11 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | South Fence (GPS 47P 0731721, 1438047) | | |
| Measurement Date | Nov 09 - Nov 10, 2022 | | |
| Measurement by | Ronnachai Moungma | | |
| Sound Level meter | Serial No. 1122607 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 10:00 AM - 11:00 AM | 65.3 | 91.3 | 64.2 |
| 11:00 AM - 12:00 PM | 64.5 | 76.9 | 63.9 |
| 12:00 PM - 01:00 PM | 63.8 | 79.2 | 63.0 |
| 01:00 PM - 02:00 PM | 65.9 | 82.1 | 64.6 |
| 02:00 PM - 03:00 PM | 64.6 | 83.1 | 63.4 |
| 03:00 PM - 04:00 PM | 64.6 | 78.3 | 63.5 |
| 04:00 PM - 05:00 PM | 64.0 | 76.8 | 63.4 |
| 05:00 PM - 06:00 PM | 64.3 | 75.6 | 63.7 |
| 06:00 PM - 07:00 PM | 63.8 | 78.3 | 63.3 |
| 07:00 PM - 08:00 PM | 64.1 | 75.6 | 63.3 |
| 08:00 PM - 09:00 PM | 64.3 | 83.9 | 63.1 |
| 09:00 PM - 10:00 PM | 63.5 | 76.2 | 62.7 |
| 10:00 PM - 11:00 PM | 63.9 | 82.5 | 63.0 |
| 11:00 PM - 12:00 AM | 62.6 | 77.6 | 62.1 |
| 12:00 AM - 01:00 AM | 64.1 | 77.4 | 62.9 |
| 01:00 AM - 02:00 AM | 63.5 | 78.5 | 62.7 |
| 02:00 AM - 03:00 AM | 64.3 | 77.4 | 63.3 |
| 03:00 AM - 04:00 AM | 64.3 | 74.2 | 63.4 |
| 04:00 AM - 05:00 AM | 63.8 | 69.4 | 63.3 |
| 05:00 AM - 06:00 AM | 64.4 | 79.1 | 63.6 |
| 06:00 AM - 07:00 AM | 63.8 | 72.2 | 63.3 |
| 07:00 AM - 08:00 AM | 64.3 | 74.0 | 63.6 |
| 08:00 AM - 09:00 AM | 64.7 | 79.5 | 64.0 |
| 09:00 AM - 10:00 AM | 63.8 | 81.8 | 62.9 |
| Leq Average 24 hrs. (dB(A)) | 64.2 | | |
| Lmax (dB(A)) | | 91.3 | |
| L90 (dB(A)) | | | 63.3 |
| Ldn (dB(A)) | 70.4 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method | ISO1996-1 and 1996-2 | | |
| Standard | 1. ใช้เกณฑ์การตรวจวัดและประเมินค่าเสียงตามข้อกำหนดของมาตรฐาน ISO 1996-1 และ 1996-2 2. ใช้เกณฑ์การตรวจวัดและประเมินค่าเสียงตามข้อกำหนดของมาตรฐาน ISO 1996-1 และ 1996-2 3. ใช้เกณฑ์การตรวจวัดและประเมินค่าเสียงตามข้อกำหนดของมาตรฐาน ISO 1996-1 และ 1996-2 | | |
| Remark | The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak.

Approved by

Supt S.

Thanita Kulsurwong
Scientist (4)

Supot Salameth
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

S:Vopart_Air Noise (p1) (118PM)

19560-21/ ENGL



Analysis / Test Report



TESTING
No.0042

Client: Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492958-1

Page 1 of 1

| | | | |
|-----------------------------|--|--------------|-------------|
| Sample Number | 22135527-10 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | East Fence (GPS 47P 0731864, 1438230) | | |
| Measurement Date | Nov 13 - Nov 14, 2022 | | |
| Measurement by | Ronnachai Moungma | | |
| Sound Level meter | Serial No. 1222723 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 10:00 AM - 11:00 AM | 55.3 | 68.6 | 53.2 |
| 11:00 AM - 12:00 PM | 54.7 | 67.6 | 52.9 |
| 12:00 PM - 01:00 PM | 60.6 | 68.6 | 59.5 |
| 01:00 PM - 02:00 PM | 61.2 | 73.7 | 59.8 |
| 02:00 PM - 03:00 PM | 59.7 | 76.3 | 58.9 |
| 03:00 PM - 04:00 PM | 60.2 | 75.2 | 59.1 |
| 04:00 PM - 05:00 PM | 60.5 | 72.0 | 59.6 |
| 05:00 PM - 06:00 PM | 60.7 | 74.6 | 59.6 |
| 06:00 PM - 07:00 PM | 60.6 | 74.0 | 59.5 |
| 07:00 PM - 08:00 PM | 60.6 | 69.4 | 59.9 |
| 08:00 PM - 09:00 PM | 60.7 | 71.4 | 59.9 |
| 09:00 PM - 10:00 PM | 60.7 | 67.9 | 60.0 |
| 10:00 PM - 11:00 PM | 60.8 | 66.4 | 60.2 |
| 11:00 PM - 12:00 AM | 61.4 | 77.6 | 60.7 |
| 12:00 AM - 01:00 AM | 60.9 | 66.4 | 60.4 |
| 01:00 AM - 02:00 AM | 61.0 | 65.9 | 60.6 |
| 02:00 AM - 03:00 AM | 61.1 | 68.2 | 60.7 |
| 03:00 AM - 04:00 AM | 61.2 | 63.5 | 60.9 |
| 04:00 AM - 05:00 AM | 61.2 | 64.8 | 60.8 |
| 05:00 AM - 06:00 AM | 61.5 | 69.9 | 61.1 |
| 06:00 AM - 07:00 AM | 62.4 | 76.7 | 61.3 |
| 07:00 AM - 08:00 AM | 60.9 | 73.1 | 59.9 |
| 08:00 AM - 09:00 AM | 60.7 | 74.1 | 59.6 |
| 09:00 AM - 10:00 AM | 59.6 | 68.1 | 58.8 |
| Leq Average 24 hrs. (dB(A)) | 60.6 | | |
| Lmax (dB(A)) | | 77.6 | |
| L90 (dB(A)) | | | 59.9 |
| Ldn (dB(A)) | 67.6 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method | ISO1996-1 and 1996-2 | | |
| Standard | 1. ใช้เกณฑ์การตรวจวัดและประเมินค่าเสียงตามข้อกำหนดของมาตรฐาน ISO 1996-1 และ 1996-2 2. ใช้เกณฑ์การตรวจวัดและประเมินค่าเสียงตามข้อกำหนดของมาตรฐาน ISO 1996-1 และ 1996-2 3. ใช้เกณฑ์การตรวจวัดและประเมินค่าเสียงตามข้อกำหนดของมาตรฐาน ISO 1996-1 และ 1996-2 | | |
| Remark | The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak.

Approved by

Supt S.

Thanita Kulsurwong
Scientist (4)

Supot Salameth
Section Head

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

S:Vopart_Air Noise (p1) (118PM)

19560-21/ ENGL



Analysis / Test Report



TESTING
No.0042

Client: Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492960-1

Page 1 of 1

| | | | |
|-----------------------------|--|--------------|-------------|
| Sample Number | 22135527-12 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | South Fence (GPS 47P 0731721, 1438047) | | |
| Measurement Date | Nov 10 - Nov 11, 2022 | | |
| Measurement by | Ronnachai Moungma | | |
| Sound Level meter | Serial No. 1122607 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 10:00 AM - 11:00 AM | 63.4 | 74.1 | 62.8 |
| 11:00 AM - 12:00 PM | 63.8 | 70.4 | 63.1 |
| 12:00 PM - 01:00 PM | 63.1 | 73.9 | 62.4 |
| 01:00 PM - 02:00 PM | 62.5 | 68.4 | 61.8 |
| 02:00 PM - 03:00 PM | 62.4 | 67.2 | 61.7 |
| 03:00 PM - 04:00 PM | 63.2 | 68.0 | 62.6 |
| 04:00 PM - 05:00 PM | 64.0 | 83.0 | 62.7 |
| 05:00 PM - 06:00 PM | 63.4 | 77.2 | 62.8 |
| 06:00 PM - 07:00 PM | 63.4 | 73.3 | 62.9 |
| 07:00 PM - 08:00 PM | 63.4 | 73.3 | 62.9 |
| 08:00 PM - 09:00 PM | 63.4 | 68.4 | 62.9 |
| 09:00 PM - 10:00 PM | 63.6 | 66.0 | 63.0 |
| 10:00 PM - 11:00 PM | 63.2 | 81.2 | 62.6 |
| 11:00 PM - 12:00 AM | 62.9 | 71.7 | 62.4 |
| 12:00 AM - 01:00 AM | 62.9 | 70.1 | 62.4 |
| 01:00 AM - 02:00 AM | 62.7 | 70.1 | 62.2 |
| 02:00 AM - 03:00 AM | 62.6 | 66.1 | 62.1 |
| 03:00 AM - 04:00 AM | 62.7 | 65.2 | 62.3 |
| 04:00 AM - 05:00 AM | 62.6 | 67.3 | 62.2 |
| 05:00 AM - 06:00 AM | 62.6 | 70.3 | 62.1 |
| 06:00 AM - 07:00 AM | 62.8 | 71.6 | 62.2 |
| 07:00 AM - 08:00 AM | 62.3 | 69.4 | 61.8 |
| 08:00 AM - 09:00 AM | 62.5 | 73.8 | 62.0 |
| 09:00 AM - 10:00 AM | 62.9 | 87.7 | 62.4 |
| Leq Average 24 hrs. (dB(A)) | 63.0 | | |
| Lmax (dB(A)) | | 83.0 | |
| L90 (dB(A)) | | | 62.4 |
| Ldn (dB(A)) | 69.2 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method | ISO1996-1 and 1996-2 | | |
| Standard | 1. ใช้เกณฑ์การตรวจวัดและประเมินค่าเสียงตามข้อกำหนดของมาตรฐาน ISO 1996-1 และ 1996-2 2. ใช้เกณฑ์การตรวจวัดและประเมินค่าเสียงตามข้อกำหนดของมาตรฐาน ISO 1996-1 และ 1996-2 3. ใช้เกณฑ์การตรวจวัดและประเมินค่าเสียงตามข้อกำหนดของมาตรฐาน ISO 1996-1 และ 1996-2 | | |
| Remark | The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak.

Approved by

Supt S.

Thanita Kulsurwong
Scientist (4)

Supot Salameth
Section Head

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S:Vopart_Air Noise (p1) (118PM)

19560-21/ ENGL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492961-1

Page 1 of 1

| Sample Number | 22135527-13 | | |
|-----------------------------|--|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | South Fence (GPS 47P 0731721, 1438047) | | |
| Measurement Date | Nov 11 - Nov 12, 2022 | | |
| Measurement by | Ronnachai Mungma | | |
| Sound Level meter | Serial No. 1122607 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 10:00 AM - 11:00 AM | 62.8 | 70.4 | 62.3 |
| 11:00 AM - 12:00 PM | 62.6 | 68.5 | 62.0 |
| 12:00 PM - 01:00 PM | 65.1 | 93.7 | 63.5 |
| 01:00 PM - 02:00 PM | 63.7 | 72.7 | 63.1 |
| 02:00 PM - 03:00 PM | 63.1 | 71.8 | 62.6 |
| 03:00 PM - 04:00 PM | 63.0 | 72.3 | 62.5 |
| 04:00 PM - 05:00 PM | 63.1 | 67.8 | 62.6 |
| 05:00 PM - 06:00 PM | 63.0 | 70.5 | 62.5 |
| 06:00 PM - 07:00 PM | 63.4 | 74.0 | 62.9 |
| 07:00 PM - 08:00 PM | 63.0 | 68.3 | 62.5 |
| 08:00 PM - 09:00 PM | 63.4 | 79.2 | 62.4 |
| 09:00 PM - 10:00 PM | 62.7 | 73.5 | 62.1 |
| 10:00 PM - 11:00 PM | 62.4 | 85.5 | 61.6 |
| 11:00 PM - 12:00 AM | 61.8 | 64.8 | 61.1 |
| 12:00 AM - 01:00 AM | 63.3 | 74.3 | 62.7 |
| 01:00 AM - 02:00 AM | 63.4 | 65.7 | 62.9 |
| 02:00 AM - 03:00 AM | 62.1 | 63.9 | 61.6 |
| 03:00 AM - 04:00 AM | 62.1 | 64.3 | 61.7 |
| 04:00 AM - 05:00 AM | 62.5 | 65.8 | 62.1 |
| 05:00 AM - 06:00 AM | 62.5 | 72.6 | 61.9 |
| 06:00 AM - 07:00 AM | 63.0 | 72.7 | 62.3 |
| 07:00 AM - 08:00 AM | 62.5 | 70.1 | 61.9 |
| 08:00 AM - 09:00 AM | 62.2 | 71.1 | 61.7 |
| 09:00 AM - 10:00 AM | 62.3 | 70.2 | 61.8 |
| Leq Average 24 hrs. (dB(A)) | 62.9 | | |
| Lmax (dB(A)) | | 93.7 | |
| L90 (dB(A)) | | | 62.3 |
| Ldn (dB(A)) | 69.1 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540 (พ.ร.บ. 2540) (ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540)
2. ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540 (พ.ร.บ. 2540) (ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540)

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulsurwong
Scientist (4)

Approved by

Supot S.
Supot Salameh
Section Head

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S:\Reports_Air Noise\pr (1 18PM)

19560-21/ ENGL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492961-1

Page 1 of 1

| Sample Number | 221355-15 | | |
|-----------------------------|--|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | South Fence (GPS 47P 0731721, 1438047) | | |
| Measurement Date | Nov 13 - Nov 14, 2022 | | |
| Measurement by | Ronnachai Mungma | | |
| Sound Level meter | Serial No. 1122607 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 10:00 AM - 11:00 AM | 63.1 | 69.5 | 62.4 |
| 11:00 AM - 12:00 PM | 64.3 | 81.3 | 63.5 |
| 12:00 PM - 01:00 PM | 63.0 | 68.6 | 62.5 |
| 01:00 PM - 02:00 PM | 63.1 | 75.6 | 62.3 |
| 02:00 PM - 03:00 PM | 62.8 | 72.2 | 62.2 |
| 03:00 PM - 04:00 PM | 62.5 | 71.4 | 62.1 |
| 04:00 PM - 05:00 PM | 62.9 | 71.1 | 62.4 |
| 05:00 PM - 06:00 PM | 63.1 | 78.9 | 62.4 |
| 06:00 PM - 07:00 PM | 62.9 | 76.6 | 62.3 |
| 07:00 PM - 08:00 PM | 62.6 | 67.0 | 62.0 |
| 08:00 PM - 09:00 PM | 62.4 | 65.4 | 61.9 |
| 09:00 PM - 10:00 PM | 62.6 | 68.1 | 62.2 |
| 10:00 PM - 11:00 PM | 62.6 | 81.8 | 62.1 |
| 11:00 PM - 12:00 AM | 62.7 | 66.1 | 62.3 |
| 12:00 AM - 01:00 AM | 62.8 | 65.9 | 62.4 |
| 01:00 AM - 02:00 AM | 62.7 | 64.2 | 62.3 |
| 02:00 AM - 03:00 AM | 62.9 | 68.5 | 62.5 |
| 03:00 AM - 04:00 AM | 62.7 | 65.7 | 62.3 |
| 04:00 AM - 05:00 AM | 62.9 | 69.9 | 62.5 |
| 05:00 AM - 06:00 AM | 63.2 | 71.2 | 62.8 |
| 06:00 AM - 07:00 AM | 62.8 | 70.8 | 62.3 |
| 07:00 AM - 08:00 AM | 62.5 | 69.3 | 61.8 |
| 08:00 AM - 09:00 AM | 62.1 | 77.9 | 61.3 |
| 09:00 AM - 10:00 AM | 62.0 | 79.9 | 61.2 |
| Leq Average 24 hrs. (dB(A)) | 62.8 | | |
| Lmax (dB(A)) | | 81.8 | |
| L90 (dB(A)) | | | 62.3 |
| Ldn (dB(A)) | 69.2 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540 (พ.ร.บ. 2540) (ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540)
2. ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540 (พ.ร.บ. 2540) (ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540)

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulsurwong
Scientist (4)

Approved by

Supot S.
Supot Salameh
Section Head

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S:\Reports_Air Noise\pr (1 18PM)

19560-21/ ENGL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492961-1

Page 1 of 1

| Sample Number | 22135527-14 | | |
|-----------------------------|--|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | South Fence (GPS 47P 0731721, 1438047) | | |
| Measurement Date | Nov 12 - Nov 13, 2022 | | |
| Measurement by | Ronnachai Mungma | | |
| Sound Level meter | Serial No. 1122607 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 10:00 AM - 11:00 AM | 62.4 | 73.2 | 61.8 |
| 11:00 AM - 12:00 PM | 62.4 | 72.1 | 61.8 |
| 12:00 PM - 01:00 PM | 62.3 | 71.0 | 61.5 |
| 01:00 PM - 02:00 PM | 62.0 | 65.1 | 61.3 |
| 02:00 PM - 03:00 PM | 62.5 | 70.1 | 62.0 |
| 03:00 PM - 04:00 PM | 62.4 | 66.3 | 61.9 |
| 04:00 PM - 05:00 PM | 62.5 | 68.7 | 61.9 |
| 05:00 PM - 06:00 PM | 62.5 | 67.7 | 62.0 |
| 06:00 PM - 07:00 PM | 63.2 | 69.2 | 62.7 |
| 07:00 PM - 08:00 PM | 64.4 | 70.0 | 63.1 |
| 08:00 PM - 09:00 PM | 63.6 | 67.8 | 62.9 |
| 09:00 PM - 10:00 PM | 63.2 | 65.7 | 62.7 |
| 10:00 PM - 11:00 PM | 63.0 | 66.7 | 62.5 |
| 11:00 PM - 12:00 AM | 62.5 | 70.9 | 62.1 |
| 12:00 AM - 01:00 AM | 62.5 | 70.6 | 62.1 |
| 01:00 AM - 02:00 AM | 62.9 | 64.5 | 62.6 |
| 02:00 AM - 03:00 AM | 62.7 | 64.1 | 62.3 |
| 03:00 AM - 04:00 AM | 62.8 | 65.5 | 62.4 |
| 04:00 AM - 05:00 AM | 62.9 | 64.6 | 62.5 |
| 05:00 AM - 06:00 AM | 63.0 | 70.2 | 62.4 |
| 06:00 AM - 07:00 AM | 62.9 | 75.7 | 62.5 |
| 07:00 AM - 08:00 AM | 62.5 | 70.7 | 62.1 |
| 08:00 AM - 09:00 AM | 62.7 | 73.5 | 62.3 |
| 09:00 AM - 10:00 AM | 62.4 | 69.5 | 61.9 |
| Leq Average 24 hrs. (dB(A)) | 62.8 | | |
| Lmax (dB(A)) | | 75.7 | |
| L90 (dB(A)) | | | 62.1 |
| Ldn (dB(A)) | 69.2 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540 (พ.ร.บ. 2540) (ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540)
2. ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540 (พ.ร.บ. 2540) (ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540)

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulsurwong
Scientist (4)

Approved by

Supot S.
Supot Salameh
Section Head

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S:\Reports_Air Noise\pr (1 18PM)

19560-21/ ENGL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492961-1

Page 1 of 1

| | | | |
|-----------------------------|---------------------------------------|--------------|-------------|
| Sample Number | 22135527-16 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | West Fence (GPS 47P 0731650, 1438138) | | |
| Measurement Date | Nov 09 - Nov 10, 2022 | | |
| Measurement by | Ronnachai Mungma | | |
| Sound Level meter | Serial No. 1222716 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 64.8 | 84.5 | 61.8 |
| 10:00 AM - 11:00 AM | 64.2 | 88.6 | 61.2 |
| 11:00 AM - 12:00 PM | 65.0 | 90.4 | 61.5 |
| 12:00 PM - 01:00 PM | 62.8 | 76.9 | 61.0 |
| 01:00 PM - 02:00 PM | 64.1 | 80.9 | 61.2 |
| 02:00 PM - 03:00 PM | 63.6 | 83.0 | 61.2 |
| 03:00 PM - 04:00 PM | 64.2 | 80.7 | 62.3 |
| 04:00 PM - 05:00 PM | 63.8 | 82.4 | 61.3 |
| 05:00 PM - 06:00 PM | 64.0 | 78.5 | 61.4 |
| 06:00 PM - 07:00 PM | 64.0 | 83.8 | 61.2 |
| 07:00 PM - 08:00 PM | 66.5 | 89.8 | 61.4 |
| 08:00 PM - 09:00 PM | 63.5 | 84.0 | 61.1 |
| 09:00 PM - 10:00 PM | 62.8 | 76.0 | 61.4 |
| 10:00 PM - 11:00 PM | 64.5 | 79.9 | 62.5 |
| 11:00 PM - 12:00 AM | 65.2 | 81.0 | 63.3 |
| 12:00 AM - 01:00 AM | 63.1 | 74.2 | 61.8 |
| 01:00 AM - 02:00 AM | 63.3 | 80.5 | 61.9 |
| 02:00 AM - 03:00 AM | 63.8 | 87.2 | 61.9 |
| 03:00 AM - 04:00 AM | 63.4 | 82.0 | 61.9 |
| 04:00 AM - 05:00 AM | 63.4 | 81.9 | 61.7 |
| 05:00 AM - 06:00 AM | 62.9 | 76.8 | 61.6 |
| 06:00 AM - 07:00 AM | 65.2 | 80.7 | 62.0 |
| 07:00 AM - 08:00 AM | 66.9 | 82.3 | 62.4 |
| 08:00 AM - 09:00 AM | 65.6 | 89.2 | 62.1 |
| Leq Average 24 hrs. (dB(A)) | 64.3 | | |
| Lmax (dB(A)) | | 90.4 | |
| L90 (dB(A)) | | | 61.6 |
| Ldn (dB(A)) | 70.4 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540 (พ.ร.บ. 2540) (ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540)
2. ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540 (พ.ร.บ. 2540) (ประกาศกระทรวงมหาดไทยว่าด้วยมาตรฐานเสียงรบกวนในชุมชน พ.ศ. 2540)

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulsurwong
Scientist (4)

Approved by

Supot S.
Supot Salameh
Section Head

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S:\Reports_Air Noise\pr (1 24PM)

19560-21/ ENGL



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492965-1

Page 1 of 1

| Sample Number | 22135527-17 | | |
|--|---------------------------------------|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | West Fence (GPS 47P 0731650, 1438138) | | |
| Measurement Date | Nov 10 - Nov 11, 2022 | | |
| Measurement by | Ronnachai Mungma | | |
| Sound Level meter | Serial No. 1222716 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 65.4 | 86.8 | 62.7 |
| 10:00 AM - 11:00 AM | 65.5 | 79.0 | 62.0 |
| 11:00 AM - 12:00 PM | 64.9 | 79.7 | 62.7 |
| 12:00 PM - 01:00 PM | 63.8 | 74.5 | 62.0 |
| 01:00 PM - 02:00 PM | 64.0 | 74.2 | 61.2 |
| 02:00 PM - 03:00 PM | 63.1 | 60.7 | 60.7 |
| 03:00 PM - 04:00 PM | 62.2 | 76.6 | 60.5 |
| 04:00 PM - 05:00 PM | 63.2 | 77.7 | 61.2 |
| 05:00 PM - 06:00 PM | 64.5 | 83.1 | 62.2 |
| 06:00 PM - 07:00 PM | 63.8 | 80.8 | 61.8 |
| 07:00 PM - 08:00 PM | 65.4 | 88.1 | 62.4 |
| 08:00 PM - 09:00 PM | 65.8 | 87.6 | 62.7 |
| 09:00 PM - 10:00 PM | 63.0 | 79.2 | 61.7 |
| 10:00 PM - 11:00 PM | 62.4 | 75.3 | 60.7 |
| 11:00 PM - 12:00 AM | 63.5 | 60.7 | 60.7 |
| 12:00 AM - 01:00 AM | 61.0 | 79.2 | 59.5 |
| 01:00 AM - 02:00 AM | 63.9 | 82.0 | 61.4 |
| 02:00 AM - 03:00 AM | 63.5 | 81.9 | 61.8 |
| 03:00 AM - 04:00 AM | 63.4 | 80.7 | 62.0 |
| 04:00 AM - 05:00 AM | 62.4 | 79.2 | 61.9 |
| 05:00 AM - 06:00 AM | 63.5 | 83.6 | 61.6 |
| 06:00 AM - 07:00 AM | 62.9 | 84.1 | 60.9 |
| 07:00 AM - 08:00 AM | 65.4 | 83.6 | 61.1 |
| 08:00 AM - 09:00 AM | 67.9 | 93.0 | 62.6 |
| Leq Average 24 hrs. (dB(A)) | 64.2 | | |
| Lmax (dB(A)) | | 93.0 | |
| L90 (dB(A)) | | | 61.7 |
| Ldn (dB(A)) | 69.8 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard 1. วิธีการทดสอบการวัดเสียงตามมาตรฐานฉบับที่ 15 (พ.ศ. 2540) ซึ่งกำหนดวิธีการวัดเสียงในสถานที่ 2. วิธีการทดสอบการวัดเสียงตามมาตรฐานฉบับที่ 15 (พ.ศ. 2540) ซึ่งกำหนดวิธีการวัดเสียงในสถานที่ โดยกรมฯ พ.ศ. 2548 | | | |
| Remark The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | | |

Technical Management

Thanitak.
Thanita Kulsurwong
Scientist (4)

Approved by

Supt S
Supt Salamteh
Section Head

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Life Sciences

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19560-21/ EMAIL

3 Reports_Air Noise rpt (1 24PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492967-1

Page 1 of 1

| Sample Number | 22135527-19 | | |
|--|---------------------------------------|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | West Fence (GPS 47P 0731650, 1438138) | | |
| Measurement Date | Nov 12 - Nov 13, 2022 | | |
| Measurement by | Ronnachai Mungma | | |
| Sound Level meter | Serial No. 1222716 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 64.2 | 81.7 | 61.4 |
| 10:00 AM - 11:00 AM | 65.4 | 91.6 | 61.5 |
| 11:00 AM - 12:00 PM | 64.6 | 79.3 | 62.1 |
| 12:00 PM - 01:00 PM | 63.5 | 82.6 | 61.2 |
| 01:00 PM - 02:00 PM | 69.8 | 100.5 | 61.6 |
| 02:00 PM - 03:00 PM | 63.8 | 86.5 | 61.2 |
| 03:00 PM - 04:00 PM | 63.5 | 75.3 | 62.0 |
| 04:00 PM - 05:00 PM | 63.9 | 83.1 | 61.8 |
| 05:00 PM - 06:00 PM | 63.1 | 82.9 | 60.8 |
| 06:00 PM - 07:00 PM | 63.0 | 83.1 | 60.4 |
| 07:00 PM - 08:00 PM | 67.2 | 92.3 | 61.2 |
| 08:00 PM - 09:00 PM | 65.6 | 89.2 | 62.2 |
| 09:00 PM - 10:00 PM | 63.4 | 76.4 | 61.9 |
| 10:00 PM - 11:00 PM | 63.1 | 74.9 | 62.4 |
| 11:00 PM - 12:00 AM | 62.9 | 72.7 | 62.2 |
| 12:00 AM - 01:00 AM | 62.5 | 81.4 | 61.7 |
| 01:00 AM - 02:00 AM | 65.2 | 90.5 | 62.9 |
| 02:00 AM - 03:00 AM | 63.4 | 79.2 | 62.1 |
| 03:00 AM - 04:00 AM | 63.2 | 79.3 | 62.1 |
| 04:00 AM - 05:00 AM | 63.6 | 81.2 | 61.7 |
| 05:00 AM - 06:00 AM | 62.1 | 76.4 | 60.9 |
| 06:00 AM - 07:00 AM | 62.9 | 75.1 | 60.9 |
| 07:00 AM - 08:00 AM | 64.0 | 78.6 | 60.3 |
| 08:00 AM - 09:00 AM | 65.3 | 85.7 | 61.5 |
| Leq Average 24 hrs. (dB(A)) | 64.5 | | |
| Lmax (dB(A)) | | 100.5 | |
| L90 (dB(A)) | | | 61.6 |
| Ldn (dB(A)) | 70.0 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard 1. วิธีการทดสอบการวัดเสียงตามมาตรฐานฉบับที่ 15 (พ.ศ. 2540) ซึ่งกำหนดวิธีการวัดเสียงในสถานที่ 2. วิธีการทดสอบการวัดเสียงตามมาตรฐานฉบับที่ 15 (พ.ศ. 2540) ซึ่งกำหนดวิธีการวัดเสียงในสถานที่ โดยกรมฯ พ.ศ. 2548 | | | |
| Remark The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | | |

Technical Management

Thanitak.
Thanita Kulsurwong
Scientist (4)

Approved by

Supt S
Supt Salamteh
Section Head

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

19560-21/ EMAIL

3 Reports_Air Noise rpt (1 24PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492966-1

Page 1 of 1

| Sample Number | 22135527-18 | | |
|--|---------------------------------------|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | West Fence (GPS 47P 0731650, 1438138) | | |
| Measurement Date | Nov 11 - Nov 12, 2022 | | |
| Measurement by | Ronnachai Mungma | | |
| Sound Level meter | Serial No. 1222716 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 64.6 | 82.1 | 62.1 |
| 10:00 AM - 11:00 AM | 64.1 | 79.6 | 61.8 |
| 11:00 AM - 12:00 PM | 64.2 | 81.5 | 62.6 |
| 12:00 PM - 01:00 PM | 62.6 | 76.3 | 60.8 |
| 01:00 PM - 02:00 PM | 63.7 | 83.6 | 61.5 |
| 02:00 PM - 03:00 PM | 61.8 | 80.6 | 61.6 |
| 03:00 PM - 04:00 PM | 63.5 | 77.2 | 61.6 |
| 04:00 PM - 05:00 PM | 63.5 | 75.2 | 62.3 |
| 05:00 PM - 06:00 PM | 64.0 | 80.8 | 61.4 |
| 06:00 PM - 07:00 PM | 64.5 | 82.6 | 62.0 |
| 07:00 PM - 08:00 PM | 66.3 | 86.8 | 63.6 |
| 08:00 PM - 09:00 PM | 65.6 | 87.9 | 62.8 |
| 09:00 PM - 10:00 PM | 62.8 | 78.6 | 61.8 |
| 10:00 PM - 11:00 PM | 63.4 | 82.1 | 62.6 |
| 11:00 PM - 12:00 AM | 63.9 | 83.5 | 62.4 |
| 12:00 AM - 01:00 AM | 62.8 | 71.3 | 62.4 |
| 01:00 AM - 02:00 AM | 63.3 | 73.0 | 62.8 |
| 02:00 AM - 03:00 AM | 63.0 | 82.0 | 62.2 |
| 03:00 AM - 04:00 AM | 63.9 | 83.5 | 61.5 |
| 04:00 AM - 05:00 AM | 62.5 | 76.0 | 60.9 |
| 05:00 AM - 06:00 AM | 63.0 | 81.1 | 61.3 |
| 06:00 AM - 07:00 AM | 68.8 | 97.8 | 62.2 |
| 07:00 AM - 08:00 AM | 68.1 | 88.2 | 62.8 |
| 08:00 AM - 09:00 AM | 65.8 | 85.5 | 62.4 |
| Leq Average 24 hrs. (dB(A)) | 64.6 | | |
| Lmax (dB(A)) | | 97.8 | |
| L90 (dB(A)) | | | 62.1 |
| Ldn (dB(A)) | 70.8 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard 1. วิธีการทดสอบการวัดเสียงตามมาตรฐานฉบับที่ 15 (พ.ศ. 2540) ซึ่งกำหนดวิธีการวัดเสียงในสถานที่ 2. วิธีการทดสอบการวัดเสียงตามมาตรฐานฉบับที่ 15 (พ.ศ. 2540) ซึ่งกำหนดวิธีการวัดเสียงในสถานที่ โดยกรมฯ พ.ศ. 2548 | | | |
| Remark The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | | |

Technical Management

Thanitak.
Thanita Kulsurwong
Scientist (4)

Approved by

Supt S
Supt Salamteh
Section Head

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

19560-21/ EMAIL

3 Reports_Air Noise rpt (1 24PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492968-1

Page 1 of 1

| Sample Number | 22135527-20 | | |
|--|---------------------------------------|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | West Fence (GPS 47P 0731650, 1438138) | | |
| Measurement Date | Nov 13 - Nov 14, 2022 | | |
| Measurement by | Ronnachai Mungma | | |
| Sound Level meter | Serial No. 1222716 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:00 AM - 10:00 AM | 64.1 | 77.0 | 61.9 |
| 10:00 AM - 11:00 AM | 63.5 | 78.7 | 61.4 |
| 11:00 AM - 12:00 PM | 65.7 | 87.1 | 63.4 |
| 12:00 PM - 01:00 PM | 67.1 | 85.0 | 65.8 |
| 01:00 PM - 02:00 PM | 67.2 | 80.7 | 66.0 |
| 02:00 PM - 03:00 PM | 63.9 | 81.9 | 62.0 |
| 03:00 PM - 04:00 PM | 62.9 | 77.4 | 61.0 |
| 04:00 PM - 05:00 PM | 64.3 | 80.4 | 61.5 |
| 05:00 PM - 06:00 PM | 63.4 | 80.3 | 61.8 |
| 06:00 PM - 07:00 PM | 63.6 | 80.5 | 61.6 |
| 07:00 PM - 08:00 PM | 66.1 | 80.1 | 63.8 |
| 08:00 PM - 09:00 PM | 66.7 | 88.7 | 63.9 |
| 09:00 PM - 10:00 PM | 62.4 | 78.8 | 61.5 |
| 10:00 PM - 11:00 PM | 62.0 | 73.0 | 61.3 |
| 11:00 PM - 12:00 AM | 63.1 | 85.5 | 61.3 |
| 12:00 AM - 01:00 AM | 62.9 | 82.3 | 61.1 |
| 01:00 AM - 02:00 AM | 63.8 | 81.5 | 61.5 |
| 02:00 AM - 03:00 AM | 62.7 | 77.6 | 61.6 |
| 03:00 AM - 04:00 AM | 63.1 | 79.1 | 61.6 |
| 04:00 AM - 05:00 AM | 62.0 | 71.6 | 61.5 |
| 05:00 AM - 06:00 AM | 62.0 | 65.9 | 61.3 |
| 06:00 AM - 07:00 AM | 62.0 | 69.5 | 60.9 |
| 07:00 AM - 08:00 AM | 62.6 | 70.9 | 61.3 |
| 08:00 AM - 09:00 AM | 62.0 | 69.1 | 61.0 |
| Leq Average 24 hrs. (dB(A)) | 64.1 | | |
| Lmax (dB(A)) | | 88.7 | |
| L90 (dB(A)) | | | 61.5 |
| Ldn (dB(A)) | 69.4 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard 1. วิธีการทดสอบการวัดเสียงตามมาตรฐานฉบับที่ 15 (พ.ศ. 2540) ซึ่งกำหนดวิธีการวัดเสียงในสถานที่ 2. วิธีการทดสอบการวัดเสียงตามมาตรฐานฉบับที่ 15 (พ.ศ. 2540) ซึ่งกำหนดวิธีการวัดเสียงในสถานที่ โดยกรมฯ พ.ศ. 2548 | | | |
| Remark The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | | |

Technical Management

Thanitak.
Thanita Kulsurwong
Scientist (4)

Approved by

Supt S
Supt Salamteh
Section Head

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Life Sciences

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19560-21/ EMAIL

3 Reports_Air Noise rpt (1 24PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492969-1

Page 1 of 1

Sample Number22135527-21

ParameterNoise (Leq 24 hrs.)

LocationMoo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325)

Measurement DateNov 09 - Nov 10, 2022

Measurement byRonnachai Moungma

Sound Level meterSerial No. 1122567

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 56.1 | 79.8 | 49.5 |
| 11:00 AM - 12:00 PM | 54.5 | 75.4 | 48.1 |
| 12:00 PM - 01:00 PM | 57.0 | 87.2 | 47.5 |
| 01:00 PM - 02:00 PM | 56.0 | 84.3 | 47.6 |
| 02:00 PM - 03:00 PM | 55.3 | 80.2 | 47.3 |
| 03:00 PM - 04:00 PM | 55.5 | 85.9 | 46.9 |
| 04:00 PM - 05:00 PM | 54.6 | 75.2 | 48.2 |
| 05:00 PM - 06:00 PM | 60.8 | 81.8 | 49.7 |
| 06:00 PM - 07:00 PM | 62.4 | 93.4 | 48.9 |
| 07:00 PM - 08:00 PM | 62.9 | 89.0 | 50.9 |
| 08:00 PM - 09:00 PM | 64.4 | 94.6 | 54.7 |
| 09:00 PM - 10:00 PM | 61.7 | 85.5 | 54.7 |
| 10:00 PM - 11:00 PM | 58.9 | 78.3 | 55.5 |
| 11:00 PM - 12:00 AM | 61.2 | 76.4 | 57.1 |
| 12:00 AM - 01:00 AM | 62.5 | 78.9 | 57.5 |
| 01:00 AM - 02:00 AM | 55.6 | 81.2 | 51.1 |
| 02:00 AM - 03:00 AM | 56.3 | 87.0 | 46.6 |
| 03:00 AM - 04:00 AM | 48.3 | 73.8 | 45.5 |
| 04:00 AM - 05:00 AM | 48.8 | 78.1 | 46.5 |
| 05:00 AM - 06:00 AM | 56.7 | 82.3 | 47.1 |
| 06:00 AM - 07:00 AM | 56.2 | 77.5 | 53.0 |
| 07:00 AM - 08:00 AM | 61.4 | 87.4 | 54.0 |
| 08:00 AM - 09:00 AM | 62.3 | 90.1 | 51.0 |
| 09:00 AM - 10:00 AM | 56.6 | 79.7 | 49.0 |
| Leq Average 24 hrs. (dB(A)) | 59.4 | | |
| Lmax (dB(A)) | | 94.6 | |
| L90 (dB(A)) | | | 49.0 |
| Ldn (dB(A)) | 64.8 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

Standard 1. วิธีการทดสอบการวัดระดับความดังเสียงด้วยวิธีเฉลี่ย 15 (พ.ร.บ. 2540) (สำหรับการทดสอบการวัดระดับความดังเสียง)
2. วิธีการทดสอบการวัดระดับความดังเสียงด้วยวิธีเฉลี่ย 15 (พ.ร.บ. 2540) (สำหรับการทดสอบการวัดระดับความดังเสียง)
วิธีตาม พ.ร.บ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulsurirong
Scientist (4)

Approved by

Supot S.
Supot Salameth
Section Head

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Lab Solutions

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S:\Reports_Air Noise\rt (1.25PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492970-1

Page 1 of 1

| Sample Number | 22135527-22 | | |
|-----------------------------|---|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325) | | |
| Measurement Date | Nov 10 - Nov 11, 2022 | | |
| Measurement by | Ronnachai Moungma | | |
| Sound Level meter | Serial No. 1122567 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 10:00 AM - 11:00 AM | 56.5 | 77.4 | 49.9 |
| 11:00 AM - 12:00 PM | 56.9 | 78.2 | 49.0 |
| 12:00 PM - 01:00 PM | 56.0 | 80.9 | 47.3 |
| 01:00 PM - 02:00 PM | 51.7 | 72.5 | 46.2 |
| 02:00 PM - 03:00 PM | 51.9 | 77.7 | 46.4 |
| 03:00 PM - 04:00 PM | 55.0 | 78.2 | 46.3 |
| 04:00 PM - 05:00 PM | 57.9 | 90.0 | 46.3 |
| 05:00 PM - 06:00 PM | 61.2 | 86.5 | 47.8 |
| 06:00 PM - 07:00 PM | 59.9 | 86.2 | 48.4 |
| 07:00 PM - 08:00 PM | 59.9 | 83.1 | 48.2 |
| 08:00 PM - 09:00 PM | 62.5 | 91.8 | 48.5 |
| 09:00 PM - 10:00 PM | 63.9 | 91.2 | 47.3 |
| 10:00 PM - 11:00 PM | 55.8 | 84.4 | 48.2 |
| 11:00 PM - 12:00 AM | 52.8 | 78.2 | 46.0 |
| 12:00 AM - 01:00 AM | 55.6 | 86.0 | 48.0 |
| 01:00 AM - 02:00 AM | 48.4 | 73.1 | 46.2 |
| 02:00 AM - 03:00 AM | 50.4 | 74.0 | 44.7 |
| 03:00 AM - 04:00 AM | 49.0 | 79.9 | 46.0 |
| 04:00 AM - 05:00 AM | 47.9 | 67.2 | 46.1 |
| 05:00 AM - 06:00 AM | 54.0 | 81.5 | 47.0 |
| 06:00 AM - 07:00 AM | 57.2 | 89.8 | 47.5 |
| 07:00 AM - 08:00 AM | 60.4 | 87.2 | 53.9 |
| 08:00 AM - 09:00 AM | 62.0 | 86.1 | 49.6 |
| 09:00 AM - 10:00 AM | 57.2 | 81.0 | 48.5 |
| Leq Average 24 hrs. (dB(A)) | 58.0 | | |
| Lmax (dB(A)) | | 91.8 | |
| L90 (dB(A)) | | | 47.5 |
| Ldn (dB(A)) | 61.5 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

Standard 1. วิธีการทดสอบการวัดระดับความดังเสียงด้วยวิธีเฉลี่ย 15 (พ.ร.บ. 2540) (สำหรับการทดสอบการวัดระดับความดังเสียง)
2. วิธีการทดสอบการวัดระดับความดังเสียงด้วยวิธีเฉลี่ย 15 (พ.ร.บ. 2540) (สำหรับการทดสอบการวัดระดับความดังเสียง)
วิธีตาม พ.ร.บ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulsurirong
Scientist (4)

Approved by

Supot S.
Supot Salameth
Section Head

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Lab Solutions

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1960-21/ENGL

S:\Reports_Air Noise\rt (1.25PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492971-1

Page 1 of 1

| Sample Number | 22135527-23 | | |
|-----------------------------|---|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325) | | |
| Measurement Date | Nov 11 - Nov 12, 2022 | | |
| Measurement by | Ronnachai Moungma | | |
| Sound Level meter | Serial No. 1122567 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 10:00 AM - 11:00 AM | 53.7 | 81.3 | 48.1 |
| 11:00 AM - 12:00 PM | 55.1 | 79.5 | 48.1 |
| 12:00 PM - 01:00 PM | 53.5 | 81.8 | 47.0 |
| 01:00 PM - 02:00 PM | 55.1 | 76.8 | 47.1 |
| 02:00 PM - 03:00 PM | 57.6 | 85.9 | 46.5 |
| 03:00 PM - 04:00 PM | 56.6 | 86.5 | 46.3 |
| 04:00 PM - 05:00 PM | 66.5 | 90.8 | 62.6 |
| 05:00 PM - 06:00 PM | 61.7 | 94.6 | 47.9 |
| 06:00 PM - 07:00 PM | 62.1 | 92.8 | 48.5 |
| 07:00 PM - 08:00 PM | 58.9 | 81.8 | 46.8 |
| 08:00 PM - 09:00 PM | 60.5 | 81.9 | 47.6 |
| 09:00 PM - 10:00 PM | 56.4 | 85.8 | 46.1 |
| 10:00 PM - 11:00 PM | 59.5 | 85.8 | 47.2 |
| 11:00 PM - 12:00 AM | 58.0 | 83.3 | 46.1 |
| 12:00 AM - 01:00 AM | 47.4 | 61.4 | 46.3 |
| 01:00 AM - 02:00 AM | 49.2 | 73.6 | 45.8 |
| 02:00 AM - 03:00 AM | 55.0 | 91.9 | 45.5 |
| 03:00 AM - 04:00 AM | 47.3 | 66.9 | 44.9 |
| 04:00 AM - 05:00 AM | 51.7 | 82.5 | 44.8 |
| 05:00 AM - 06:00 AM | 49.7 | 76.0 | 45.0 |
| 06:00 AM - 07:00 AM | 54.3 | 79.0 | 46.5 |
| 07:00 AM - 08:00 AM | 59.1 | 81.8 | 49.2 |
| 08:00 AM - 09:00 AM | 59.8 | 82.5 | 49.1 |
| 09:00 AM - 10:00 AM | 59.0 | 84.8 | 48.5 |
| Leq Average 24 hrs. (dB(A)) | 58.5 | | |
| Lmax (dB(A)) | | 94.6 | |
| L90 (dB(A)) | | | 46.8 |
| Ldn (dB(A)) | 62.2 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

Standard 1. วิธีการทดสอบการวัดระดับความดังเสียงด้วยวิธีเฉลี่ย 15 (พ.ร.บ. 2540) (สำหรับการทดสอบการวัดระดับความดังเสียง)
2. วิธีการทดสอบการวัดระดับความดังเสียงด้วยวิธีเฉลี่ย 15 (พ.ร.บ. 2540) (สำหรับการทดสอบการวัดระดับความดังเสียง)
วิธีตาม พ.ร.บ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulsurirong
Scientist (4)

Approved by

Supot S.
Supot Salameth
Section Head

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Lab Solutions

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1960-21/ENGL

S:\Reports_Air Noise\rt (1.25PM)



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492972-1

Page 1 of 1

| | | | |
|-----------------------------|---|--------------|-------------|
| Sample Number | 22135527-24 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325) | | |
| Measurement Date | Nov 12 - Nov 13, 2022 | | |
| Measurement by | Ronnachai Moungma | | |
| Sound Level meter | Serial No. 1122567 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 10:00 AM - 11:00 AM | 57.0 | 81.6 | 48.7 |
| 11:00 AM - 12:00 PM | 54.3 | 74.1 | 48.2 |
| 12:00 PM - 01:00 PM | 53.8 | 74.2 | 46.3 |
| 01:00 PM - 02:00 PM | 58.4 | 87.0 | 46.9 |
| 02:00 PM - 03:00 PM | 54.4 | 86.3 | 47.1 |
| 03:00 PM - 04:00 PM | 56.0 | 81.4 | 47.1 |
| 04:00 PM - 05:00 PM | 60.7 | 86.3 | 50.3 |
| 05:00 PM - 06:00 PM | 61.7 | 89.3 | 47.8 |
| 06:00 PM - 07:00 PM | 60.2 | 82.8 | 46.7 |
| 07:00 PM - 08:00 PM | 57.5 | 81.2 | 46.3 |
| 08:00 PM - 09:00 PM | 59.2 | 78.4 | 47.4 |
| 09:00 PM - 10:00 PM | 56.8 | 82.8 | 47.4 |
| 10:00 PM - 11:00 PM | 58.7 | 88.4 | 48.6 |
| 11:00 PM - 12:00 AM | 55.0 | 81.7 | 49.9 |
| 12:00 AM - 01:00 AM | 55.1 | 87.8 | 47.4 |
| 01:00 AM - 02:00 AM | 48.4 | 76.7 | 45.9 |
| 02:00 AM - 03:00 AM | 47.9 | 70.8 | 46.3 |
| 03:00 AM - 04:00 AM | 49.5 | 78.0 | 45.7 |
| 04:00 AM - 05:00 AM | 47.0 | 69.1 | 45.4 |
| 05:00 AM - 06:00 AM | 56.9 | 90.9 | 46.6 |
| 06:00 AM - 07:00 AM | 55.7 | 81.5 | 46.9 |
| 07:00 AM - 08:00 AM | 60.7 | 83.2 | 55.1 |
| 08:00 AM - 09:00 AM | 60.4 | 81.7 | 49.7 |
| 09:00 AM - 10:00 AM | 57.7 | 81.8 | 49.7 |
| Leq Average 24 hrs. (dB(A)) | 57.4 | | |
| Lmax (dB(A)) | | 90.9 | |
| L90 (dB(A)) | | | 47.1 |
| Ldn (dB(A)) | 61.7 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

Standard 1. วิธีการทดสอบการวัดระดับความดังเสียงด้วยวิธีเฉลี่ย 15 (พ.ร.บ. 2540) (สำหรับการทดสอบการวัดระดับความดังเสียง)
2. วิธีการทดสอบการวัดระดับความดังเสียงด้วยวิธีเฉลี่ย 15 (พ.ร.บ. 2540) (สำหรับการทดสอบการวัดระดับความดังเสียง)
วิธีตาม พ.ร.บ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanitak.
Thanita Kulsurirong
Scientist (4)

Approved by

Supot S.
Supot Salameth
Section Head

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Lab Solutions

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1960-21/ENGL

S:\Reports_Air Noise\rt (1.25PM)



Analysis / Test Report



TESTING
No.0042

Client: Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492973-1

Page 1 of 1

| | |
|-------------------|---|
| Sample Number | 22135527-25 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325) |
| Measurement Date | Nov 13 - Nov 14, 2022 |
| Measurement by | Ronnachai Mougma |
| Sound Level meter | Serial No. 1122567 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|---|--------------|-------------|
| 10:00 AM - 11:00 AM | 57.7 | 79.2 | 49.0 |
| 11:00 AM - 12:00 PM | 56.2 | 78.6 | 47.5 |
| 12:00 PM - 01:00 PM | 56.4 | 78.4 | 48.3 |
| 01:00 PM - 02:00 PM | 59.5 | 78.2 | 50.9 |
| 02:00 PM - 03:00 PM | 58.2 | 87.0 | 50.4 |
| 03:00 PM - 04:00 PM | 59.0 | 79.8 | 47.3 |
| 04:00 PM - 05:00 PM | 60.4 | 82.5 | 53.9 |
| 05:00 PM - 06:00 PM | 61.6 | 90.5 | 48.7 |
| 06:00 PM - 07:00 PM | 59.4 | 86.1 | 45.6 |
| 07:00 PM - 08:00 PM | 60.7 | 86.9 | 48.2 |
| 08:00 PM - 09:00 PM | 61.5 | 90.2 | 47.8 |
| 09:00 PM - 10:00 PM | 58.1 | 84.8 | 47.7 |
| 10:00 PM - 11:00 PM | 53.3 | 78.0 | 45.7 |
| 11:00 PM - 12:00 AM | 53.1 | 78.1 | 44.6 |
| 12:00 AM - 01:00 AM | 50.1 | 77.9 | 44.7 |
| 01:00 AM - 02:00 AM | 49.4 | 78.5 | 44.8 |
| 02:00 AM - 03:00 AM | 61.6 | 88.6 | 44.5 |
| 03:00 AM - 04:00 AM | 57.2 | 90.2 | 44.9 |
| 04:00 AM - 05:00 AM | 47.9 | 69.7 | 44.9 |
| 05:00 AM - 06:00 AM | 52.7 | 83.4 | 44.8 |
| 06:00 AM - 07:00 AM | 53.8 | 76.3 | 44.5 |
| 07:00 AM - 08:00 AM | 53.5 | 77.7 | 46.7 |
| 08:00 AM - 09:00 AM | 54.9 | 79.1 | 48.0 |
| 09:00 AM - 10:00 AM | 52.8 | 82.9 | 45.6 |
| Leq Average 24 hrs. (dB(A)) | 57.7 | | |
| Lmax (dB(A)) | | 90.5 | |
| L90 (dB(A)) | | | 46.7 |
| Ldn (dB(A)) | 62.4 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method | ISO1996-1 and 1996-2 | | |
| Standard | 1. อัตราค่าการตรวจวัดสิ่งแวดล้อมภายใน 15 (น.ท. 2540) ค่าการตรวจวัดสิ่งแวดล้อมภายใน 2. อัตราค่าการตรวจวัดสิ่งแวดล้อมภายนอก ค่าการตรวจวัดสิ่งแวดล้อมภายนอก และระดับเสียงที่คาดการณ์จากข้อมูลการ ตรวจวัด น.ท. 2548 | | |
| Remark | The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak,
Thanita Kulsurwong
Scientist (4)

Approved by

Supt S
Supt Salameh
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report



TESTING
No.0042

Client: Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492974-1

Page 1 of 1

| | |
|-------------------|---|
| Sample Number | 22135527-26 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | Moo 3 Mabyangporm (N2) (GPS 47P 0732339, 1437041) |
| Measurement Date | Nov 09 - Nov 10, 2022 |
| Measurement by | Ronnachai Mougma |
| Sound Level meter | Serial No. 509355 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|---|--------------|-------------|
| 10:00 AM - 11:00 AM | 51.1 | 72.1 | 43.8 |
| 11:00 AM - 12:00 PM | 51.0 | 73.8 | 44.5 |
| 12:00 PM - 01:00 PM | 51.5 | 74.6 | 45.9 |
| 01:00 PM - 02:00 PM | 51.4 | 72.2 | 46.6 |
| 02:00 PM - 03:00 PM | 48.6 | 65.1 | 44.9 |
| 03:00 PM - 04:00 PM | 48.1 | 69.6 | 43.9 |
| 04:00 PM - 05:00 PM | 47.2 | 71.6 | 43.2 |
| 05:00 PM - 06:00 PM | 44.5 | 58.5 | 42.7 |
| 06:00 PM - 07:00 PM | 44.9 | 66.8 | 43.2 |
| 07:00 PM - 08:00 PM | 44.8 | 56.7 | 43.6 |
| 08:00 PM - 09:00 PM | 44.4 | 64.8 | 42.1 |
| 09:00 PM - 10:00 PM | 44.1 | 60.9 | 42.6 |
| 10:00 PM - 11:00 PM | 45.4 | 64.0 | 42.1 |
| 11:00 PM - 12:00 AM | 47.0 | 66.6 | 42.5 |
| 12:00 AM - 01:00 AM | 51.6 | 84.5 | 45.9 |
| 01:00 AM - 02:00 AM | 51.1 | 78.9 | 45.5 |
| 02:00 AM - 03:00 AM | 52.8 | 83.9 | 45.5 |
| 03:00 AM - 04:00 AM | 53.9 | 83.0 | 44.6 |
| 04:00 AM - 05:00 AM | 55.2 | 87.1 | 48.7 |
| 05:00 AM - 06:00 AM | 54.1 | 76.4 | 47.3 |
| 06:00 AM - 07:00 AM | 51.0 | 77.3 | 41.4 |
| 07:00 AM - 08:00 AM | 51.2 | 70.7 | 43.7 |
| 08:00 AM - 09:00 AM | 51.7 | 71.8 | 45.6 |
| 09:00 AM - 10:00 AM | 57.1 | 86.2 | 51.8 |
| Leq Average 24 hrs. (dB(A)) | 51.6 | | |
| Lmax (dB(A)) | | 87.1 | |
| L90 (dB(A)) | | | 43.9 |
| Ldn (dB(A)) | 59.2 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method | ISO1996-1 and 1996-2 | | |
| Standard | 1. อัตราค่าการตรวจวัดสิ่งแวดล้อมภายใน 15 (น.ท. 2540) ค่าการตรวจวัดสิ่งแวดล้อมภายใน 2. อัตราค่าการตรวจวัดสิ่งแวดล้อมภายนอก ค่าการตรวจวัดสิ่งแวดล้อมภายนอก และระดับเสียงที่คาดการณ์จากข้อมูลการ ตรวจวัด น.ท. 2548 | | |
| Remark | The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak,
Thanita Kulsurwong
Scientist (4)

Approved by

Supt S
Supt Salameh
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report



TESTING
No.0042

Client: Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492975-1

Page 1 of 1

| | |
|-------------------|---|
| Sample Number | 22135527-27 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | Moo 3 Mabyangporm (N2) (GPS 47P 0732339, 1437041) |
| Measurement Date | Nov 10 - Nov 11, 2022 |
| Measurement by | Ronnachai Mougma |
| Sound Level meter | Serial No. 509355 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|---|--------------|-------------|
| 10:00 AM - 11:00 AM | 56.2 | 76.8 | 51.2 |
| 11:00 AM - 12:00 PM | 54.2 | 78.0 | 48.7 |
| 12:00 PM - 01:00 PM | 52.1 | 71.3 | 48.0 |
| 01:00 PM - 02:00 PM | 50.8 | 68.6 | 47.7 |
| 02:00 PM - 03:00 PM | 50.6 | 70.2 | 46.6 |
| 03:00 PM - 04:00 PM | 50.5 | 75.5 | 46.7 |
| 04:00 PM - 05:00 PM | 48.8 | 74.6 | 45.5 |
| 05:00 PM - 06:00 PM | 46.5 | 64.2 | 44.2 |
| 06:00 PM - 07:00 PM | 46.5 | 64.8 | 44.0 |
| 07:00 PM - 08:00 PM | 49.7 | 59.8 | 47.4 |
| 08:00 PM - 09:00 PM | 50.7 | 60.7 | 48.7 |
| 09:00 PM - 10:00 PM | 49.7 | 60.0 | 47.4 |
| 10:00 PM - 11:00 PM | 49.1 | 61.2 | 46.9 |
| 11:00 PM - 12:00 AM | 53.0 | 67.1 | 46.5 |
| 12:00 AM - 01:00 AM | 57.2 | 74.1 | 54.5 |
| 01:00 AM - 02:00 AM | 53.1 | 76.4 | 48.1 |
| 02:00 AM - 03:00 AM | 52.7 | 71.2 | 47.6 |
| 03:00 AM - 04:00 AM | 53.0 | 77.3 | 46.4 |
| 04:00 AM - 05:00 AM | 50.4 | 73.4 | 44.7 |
| 05:00 AM - 06:00 AM | 52.4 | 78.5 | 45.0 |
| 06:00 AM - 07:00 AM | 51.6 | 80.1 | 44.1 |
| 07:00 AM - 08:00 AM | 59.2 | 95.5 | 44.4 |
| 08:00 AM - 09:00 AM | 54.1 | 81.2 | 47.5 |
| 09:00 AM - 10:00 AM | 50.5 | 70.1 | 44.5 |
| Leq Average 24 hrs. (dB(A)) | 52.9 | | |
| Lmax (dB(A)) | | 95.5 | |
| L90 (dB(A)) | | | 46.7 |
| Ldn (dB(A)) | 59.5 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method | ISO1996-1 and 1996-2 | | |
| Standard | 1. อัตราค่าการตรวจวัดสิ่งแวดล้อมภายใน 15 (น.ท. 2540) ค่าการตรวจวัดสิ่งแวดล้อมภายใน 2. อัตราค่าการตรวจวัดสิ่งแวดล้อมภายนอก ค่าการตรวจวัดสิ่งแวดล้อมภายนอก และระดับเสียงที่คาดการณ์จากข้อมูลการ ตรวจวัด น.ท. 2548 | | |
| Remark | The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak,
Thanita Kulsurwong
Scientist (4)

Approved by

Supt S
Supt Salameh
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report



TESTING
No.0042

Client: Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Phukdaeng, Rayong Thailand
21140
P/O :
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135527
Date Received : Nov 14, 2022
Date Reported : Nov 18, 2022
Report Number: 2492976-1

Page 1 of 1

| | |
|-------------------|---|
| Sample Number | 22135527-28 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | Moo 3 Mabyangporm (N2) (GPS 47P 0732339, 1437041) |
| Measurement Date | Nov 11 - Nov 12, 2022 |
| Measurement by | Ronnachai Mougma |
| Sound Level meter | Serial No. 509355 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|---|--------------|-------------|
| 10:00 AM - 11:00 AM | 49.3 | 73.3 | 44.2 |
| 11:00 AM - 12:00 PM | 51.5 | 81.3 | 43.8 |
| 12:00 PM - 01:00 PM | 50.6 | 70.6 | 44.9 |
| 01:00 PM - 02:00 PM | 52.6 | 70.9 | 48.1 |
| 02:00 PM - 03:00 PM | 49.6 | 65.6 | 45.3 |
| 03:00 PM - 04:00 PM | 49.0 | 69.0 | 45.0 |
| 04:00 PM - 05:00 PM | 47.7 | 69.1 | 44.4 |
| 05:00 PM - 06:00 PM | 46.1 | 62.9 | 44.0 |
| 06:00 PM - 07:00 PM | 46.3 | 64.1 | 44.1 |
| 07:00 PM - 08:00 PM | 46.0 | 63.5 | 44.5 |
| 08:00 PM - 09:00 PM | 46.4 | 66.1 | 43.7 |
| 09:00 PM - 10:00 PM | 44.7 | 53.7 | 43.6 |
| 10:00 PM - 11:00 PM | 45.3 | 65.9 | 41.6 |
| 11:00 PM - 12:00 AM | 50.6 | 66.5 | 45.5 |
| 12:00 AM - 01:00 AM | 53.7 | 73.0 | 48.0 |
| 01:00 AM - 02:00 AM | 53.1 | 76.7 | 46.0 |
| 02:00 AM - 03:00 AM | 52.8 | 72.1 | 45.1 |
| 03:00 AM - 04:00 AM | 52.1 | 84.7 | 44.8 |
| 04:00 AM - 05:00 AM | 50.3 | 76.1 | 43.9 |
| 05:00 AM - 06:00 AM | 52.4 | 72.4 | 43.1 |
| 06:00 AM - 07:00 AM | 51.3 | 81.0 | 43.5 |
| 07:00 AM - 08:00 AM | 51.4 | 71.7 | 43.4 |
| 08:00 AM - 09:00 AM | 50.0 | 73.3 | 42.8 |
| 09:00 AM - 10:00 AM | 49.6 | 71.5 | 42.5 |
| Leq Average 24 hrs. (dB(A)) | 50.4 | | |
| Lmax (dB(A)) | | 84.7 | |
| L90 (dB(A)) | | | 44.1 |
| Ldn (dB(A)) | 57.9 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method | ISO1996-1 and 1996-2 | | |
| Standard | 1. อัตราค่าการตรวจวัดสิ่งแวดล้อมภายใน 15 (น.ท. 2540) ค่าการตรวจวัดสิ่งแวดล้อมภายใน 2. อัตราค่าการตรวจวัดสิ่งแวดล้อมภายนอก ค่าการตรวจวัดสิ่งแวดล้อมภายนอก และระดับเสียงที่คาดการณ์จากข้อมูลการ ตรวจวัด น.ท. 2548 | | |
| Remark | The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | |

Technical Management

Thanitak,
Thanita Kulsurwong
Scientist (4)

Approved by

Supt S
Supt Salameh
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyngphon, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

TESTING
No.0042
Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498723-1

Sample No. 22135531-1
Parameter เลื่อนกรวน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Nov 10 - 11, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00296515

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่รบกวน | ค่ารวมการรบกวน |
|---------------------|---------------------|-----------------------|--------|------------|----------------------------|---------|---------------|----------------|
| | | | | | กลางวัน | กลางคืน | | |
| 03:35 AM - 03:40 AM | 60.0 | 62.7 | -2.7 | 7.0 | - | 56.0 | 59.7 | -3.7 |
| 03:40 AM - 03:45 AM | 60.4 | 62.7 | -2.3 | 7.0 | - | 56.4 | 59.7 | -3.3 |
| 03:45 AM - 03:50 AM | 60.6 | 62.7 | -2.1 | 7.0 | - | 56.6 | 59.7 | -3.1 |
| 03:50 AM - 03:55 AM | 60.2 | 62.7 | -2.5 | 7.0 | - | 56.2 | 59.7 | -3.5 |
| 03:55 AM - 04:00 AM | 61.1 | 62.7 | -1.6 | 7.0 | - | 57.1 | 59.7 | -2.6 |
| 04:00 AM - 04:05 AM | 60.2 | 62.7 | -2.5 | 7.0 | - | 56.2 | 59.7 | -3.5 |
| 04:05 AM - 04:10 AM | 60.7 | 62.7 | -2.0 | 7.0 | - | 56.7 | 59.7 | -3.0 |
| 04:10 AM - 04:15 AM | 60.9 | 62.7 | -1.8 | 7.0 | - | 56.9 | 59.7 | -2.8 |
| 04:15 AM - 04:20 AM | 60.6 | 62.7 | -2.1 | 7.0 | - | 56.6 | 59.7 | -3.1 |
| 04:20 AM - 04:25 AM | 60.6 | 62.7 | -2.1 | 7.0 | - | 56.6 | 59.7 | -3.1 |
| 04:25 AM - 04:30 AM | 61.5 | 62.7 | -1.2 | 7.0 | - | 57.5 | 59.7 | -2.2 |
| 04:30 AM - 04:35 AM | 60.9 | 62.7 | -1.8 | 7.0 | - | 56.9 | 59.7 | -2.8 |
| 04:35 AM - 04:40 AM | 61.0 | 62.7 | -1.7 | 7.0 | - | 57.0 | 59.7 | -2.7 |
| 04:40 AM - 04:45 AM | 61.2 | 62.7 | -1.5 | 7.0 | - | 57.2 | 59.7 | -2.5 |
| 04:45 AM - 04:50 AM | 61.0 | 62.7 | -1.7 | 7.0 | - | 57.0 | 59.7 | -2.7 |
| 04:50 AM - 04:55 AM | 60.9 | 62.7 | -1.8 | 7.0 | - | 56.9 | 59.7 | -2.8 |
| 04:55 AM - 05:00 AM | 60.9 | 62.7 | -1.8 | 7.0 | - | 56.9 | 59.7 | -2.8 |
| 05:00 AM - 05:05 AM | 61.3 | 62.7 | -1.4 | 7.0 | - | 57.3 | 59.7 | -2.4 |
| 05:05 AM - 05:10 AM | 60.6 | 62.7 | -2.1 | 7.0 | - | 56.6 | 59.7 | -3.1 |
| 05:10 AM - 05:15 AM | 61.3 | 62.7 | -1.4 | 7.0 | - | 57.3 | 59.7 | -2.4 |
| 05:15 AM - 05:20 AM | 61.0 | 62.7 | -1.7 | 7.0 | - | 57.0 | 59.7 | -2.7 |
| 05:20 AM - 05:25 AM | 61.7 | 62.7 | -1.0 | 7.0 | - | 57.7 | 59.7 | -2.0 |
| 05:25 AM - 05:30 AM | 61.4 | 62.7 | -1.3 | 7.0 | - | 57.4 | 59.7 | -2.3 |
| 05:30 AM - 05:35 AM | 61.2 | 62.7 | -1.5 | 7.0 | - | 57.2 | 59.7 | -2.5 |
| 05:35 AM - 05:40 AM | 61.0 | 62.7 | -1.7 | 7.0 | - | 57.0 | 59.7 | -2.7 |
| 05:40 AM - 05:45 AM | 60.7 | 62.7 | -2.0 | 7.0 | - | 56.7 | 59.7 | -3.0 |
| 05:45 AM - 05:50 AM | 60.6 | 62.7 | -2.1 | 7.0 | - | 56.6 | 59.7 | -3.1 |
| 05:50 AM - 05:55 AM | 61.0 | 62.7 | -1.7 | 7.0 | - | 57.0 | 59.7 | -2.7 |
| 05:55 AM - 06:00 AM | 61.5 | 62.7 | -1.2 | 7.0 | - | 57.5 | 59.7 | -2.2 |
| 06:00 AM - 07:00 AM | 61.1 | 65.6 | -4.5 | 7.0 | 54.1 | - | 62.4 | -8.3 |
| 07:00 AM - 08:00 AM | 61.4 | 65.6 | -4.2 | 7.0 | 54.4 | - | 62.4 | -8.0 |
| 08:00 AM - 09:00 AM | 61.3 | 65.0 | -3.7 | 7.0 | 54.3 | - | 62.4 | -8.1 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

หมายเหตุ

- ผลการทดสอบจะแตกต่างกันไป ขึ้นอยู่กับวิธีการทดสอบและระดับเสียงที่เกิดจากการรบกวนจากภายนอก
- ผลการทดสอบจะแตกต่างกันไป ขึ้นอยู่กับวิธีการทดสอบและระดับเสียงที่เกิดจากการรบกวนจากภายนอก
- ผลการทดสอบจะแตกต่างกันไป ขึ้นอยู่กับวิธีการทดสอบและระดับเสียงที่เกิดจากการรบกวนจากภายนอก

ผลการทดสอบจะแตกต่างกันไป ขึ้นอยู่กับวิธีการทดสอบและระดับเสียงที่เกิดจากการรบกวนจากภายนอก

The above results are valid only for the purpose stated and are not to be used for any other purpose without written consent from the laboratory. A full laboratory report (if available) should be requested from the laboratory.

Approved by

Wibb.
Wilawan Borik
Assistant Manager



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyngphon, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

TESTING
No.0042
Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498723-1

Sample No. 22135531-2
Parameter เลื่อนกรวน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Nov 10 - 11, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00296515

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่รบกวน | ค่ารวมการรบกวน |
|---------------------|---------------------|-----------------------|--------|------------|----------------------------|---------|---------------|----------------|
| | | | | | กลางวัน | กลางคืน | | |
| 09:00 AM - 10:00 AM | 60.9 | 65.0 | -4.1 | 7.0 | 53.9 | - | 62.4 | -8.5 |
| 10:00 AM - 11:00 AM | 60.5 | 65.0 | -4.5 | 7.0 | 53.6 | - | 62.4 | -8.8 |
| 11:00 AM - 12:00 PM | 60.8 | 65.0 | -4.2 | 7.0 | 53.8 | - | 62.4 | -8.6 |
| 12:00 PM - 01:00 PM | 61.1 | 65.0 | -3.9 | 7.0 | 54.1 | - | 62.4 | -8.3 |
| 01:00 PM - 02:00 PM | 61.2 | 65.0 | -3.8 | 7.0 | 54.2 | - | 62.4 | -8.2 |
| 02:00 PM - 03:00 PM | 61.2 | 65.0 | -3.8 | 7.0 | 54.2 | - | 62.4 | -8.2 |
| 03:00 PM - 04:00 PM | 61.6 | 65.0 | -3.4 | 7.0 | 54.6 | - | 62.4 | -7.8 |
| 04:00 PM - 05:00 PM | 62.5 | 65.0 | -2.5 | 7.0 | 55.5 | - | 62.4 | -6.9 |
| 05:00 PM - 06:00 PM | 62.5 | 65.0 | -2.5 | 7.0 | 55.5 | - | 62.4 | -6.9 |
| 06:00 PM - 07:00 PM | 62.9 | 65.0 | -2.1 | 7.0 | 55.9 | - | 62.4 | -6.5 |
| 07:00 PM - 08:00 PM | 63.0 | 65.0 | -2.0 | 7.0 | 56.0 | - | 62.4 | -6.4 |
| 08:00 PM - 09:00 PM | 62.4 | 65.0 | -2.6 | 7.0 | 55.4 | - | 62.4 | -7.0 |
| 09:00 PM - 10:00 PM | 62.2 | 65.0 | -2.8 | 7.0 | 55.2 | - | 62.4 | -7.2 |
| 10:00 PM - 10:55 PM | 62.2 | 62.7 | -0.5 | 7.0 | - | 58.2 | 59.7 | -1.5 |
| 10:55 PM - 11:05 PM | 62.1 | 62.7 | -0.6 | 7.0 | - | 58.1 | 59.7 | -1.6 |
| 11:05 PM - 11:15 PM | 62.1 | 62.7 | -0.6 | 7.0 | - | 58.1 | 59.7 | -1.6 |
| 11:15 PM - 11:25 PM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 | -1.2 |
| 11:25 PM - 11:35 PM | 61.9 | 62.7 | -0.8 | 7.0 | - | 57.9 | 59.7 | -1.8 |
| 11:35 PM - 11:45 PM | 61.8 | 62.7 | -0.9 | 7.0 | - | 57.8 | 59.7 | -1.9 |
| 11:45 PM - 11:55 PM | 61.7 | 62.7 | -1.0 | 7.0 | - | 57.7 | 59.7 | -2.0 |
| 11:55 PM - 12:05 PM | 62.0 | 62.7 | -0.7 | 7.0 | - | 58.0 | 59.7 | -1.7 |
| 12:05 PM - 12:15 PM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 | -1.4 |
| 12:15 PM - 12:25 PM | 63.0 | 62.7 | 0.3 | 7.0 | - | 59.0 | 59.7 | -0.7 |
| 12:25 PM - 11:00 PM | 68.5 | 62.7 | 5.8 | 1.5 | - | 70.0 | 59.7 | 10.3 |
| 11:00 PM - 11:05 PM | 70.0 | 62.7 | 7.3 | 1.0 | - | 72.0 | 59.7 | 12.3 |
| 11:05 PM - 11:10 PM | 60.2 | 62.7 | -2.5 | 7.0 | - | 56.2 | 59.7 | -3.5 |
| 11:10 PM - 11:15 PM | 59.4 | 62.7 | -3.3 | 7.0 | - | 55.4 | 59.7 | -4.3 |
| 11:15 PM - 11:20 PM | 59.6 | 62.7 | -3.1 | 7.0 | - | 55.6 | 59.7 | -4.1 |
| 11:20 PM - 11:25 PM | 59.9 | 62.7 | -2.8 | 7.0 | - | 55.9 | 59.7 | -3.8 |
| 11:25 PM - 11:30 PM | 59.8 | 62.7 | -2.9 | 7.0 | - | 55.8 | 59.7 | -3.9 |
| 11:30 PM - 11:35 PM | 59.5 | 62.7 | -3.2 | 7.0 | - | 55.5 | 59.7 | -4.2 |
| 11:35 PM - 11:40 PM | 59.6 | 62.7 | -3.1 | 7.0 | - | 55.6 | 59.7 | -4.1 |
| 11:40 PM - 11:45 PM | 59.5 | 62.7 | -3.2 | 7.0 | - | 55.5 | 59.7 | -4.2 |
| 11:45 PM - 11:50 PM | 59.6 | 62.7 | -3.1 | 7.0 | - | 55.6 | 59.7 | -4.1 |
| 11:50 PM - 11:55 PM | 59.4 | 62.7 | -3.3 | 7.0 | - | 55.4 | 59.7 | -4.3 |
| 11:55 PM - 12:00 AM | 59.6 | 62.7 | -3.1 | 7.0 | - | 55.6 | 59.7 | -4.1 |
| 12:00 AM - 12:05 AM | 59.3 | 62.7 | -3.4 | 7.0 | - | 55.3 | 59.7 | -4.4 |
| 12:05 AM - 12:10 AM | 59.4 | 62.7 | -3.3 | 7.0 | - | 55.4 | 59.7 | -4.3 |
| 12:10 AM - 12:15 AM | 59.3 | 62.7 | -3.4 | 7.0 | - | 55.3 | 59.7 | -4.4 |

The above results are valid only for the purpose stated and are not to be used for any other purpose without written consent from the laboratory. A full laboratory report (if available) should be requested from the laboratory.

Approved by

Wibb.
Wilawan Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyngphon, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

TESTING
No.0042
Lot ID: 22135533
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498723-1

Sample No. 22135533-2
Parameter เลื่อนกรวน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Nov 10 - 11, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00296515

| เวลา | ระดับเสียง (dB(A)) | | | | | เสียงรบกวน การรบกวน | ค่ารวม |
|---------------------|-------------------------|---------------------------|--------|------------|--|------------------------|-----------|
| | เสียงจาก แหล่งกำเนิด | เสียงขณะ ไม่มีการรบกวน | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด กลางวันกลางคืน | | |
| 12:15 AM - 12:20 AM | 59.3 | 62.7 | -3.4 | 7.0 | - | 55.3 | 59.7 -4.4 |
| 12:20 AM - 12:25 AM | 59.3 | 62.7 | -3.4 | 7.0 | - | 55.3 | 59.7 -4.4 |
| 12:25 AM - 12:30 AM | 59.3 | 62.7 | -3.4 | 7.0 | - | 55.3 | 59.7 -4.4 |
| 12:30 AM - 12:35 AM | 59.1 | 62.7 | -3.6 | 7.0 | - | 55.1 | 59.7 -4.6 |
| 12:35 AM - 12:40 AM | 59.1 | 62.7 | -3.6 | 7.0 | - | 55.1 | 59.7 -4.6 |
| 12:40 AM - 12:45 AM | 59.3 | 62.7 | -3.4 | 7.0 | - | 55.3 | 59.7 -4.4 |
| 12:45 AM - 12:50 AM | 59.2 | 62.7 | -3.5 | 7.0 | - | 55.2 | 59.7 -4.5 |
| 12:50 AM - 12:55 AM | 59.4 | 62.7 | -3.3 | 7.0 | - | 55.4 | 59.7 -4.3 |
| 12:55 AM - 01:00 AM | 59.4 | 62.7 | -3.3 | 7.0 | - | 55.4 | 59.7 -4.3 |
| 01:00 AM - 01:05 AM | 59.3 | 62.7 | -3.4 | 7.0 | - | 55.3 | 59.7 -4.4 |
| 01:05 AM - 01:10 AM | 59.5 | 62.7 | -3.2 | 7.0 | - | 55.5 | 59.7 -4.2 |
| 01:10 AM - 01:15 AM | 59.5 | 62.7 | -3.2 | 7.0 | - | 55.5 | 59.7 -4.2 |
| 01:15 AM - 01:20 AM | 59.6 | 62.7 | -3.1 | 7.0 | - | 55.6 | 59.7 -4.1 |
| 01:20 AM - 01:25 AM | 59.6 | 62.7 | -3.1 | 7.0 | - | 55.6 | 59.7 -4.1 |
| 01:25 AM - 01:30 AM | 59.4 | 62.7 | -3.3 | 7.0 | - | 55.4 | 59.7 -4.3 |
| 01:30 AM - 01:35 AM | 59.6 | 62.7 | -3.1 | 7.0 | - | 55.6 | 59.7 -4.1 |
| 01:35 AM - 01:40 AM | 59.5 | 62.7 | -3.2 | 7.0 | - | 55.5 | 59.7 -4.2 |
| 01:40 AM - 01:45 AM | 59.6 | 62.7 | -3.1 | 7.0 | - | 55.6 | 59.7 -4.1 |
| 01:45 AM - 01:50 AM | 59.6 | 62.7 | -3.1 | 7.0 | - | 55.6 | 59.7 -4.1 |
| 01:50 AM - 01:55 AM | 59.6 | 62.7 | -3.1 | 7.0 | - | 55.6 | 59.7 -4.1 |
| 01:55 AM - 02:00 AM | 59.6 | 62.7 | -3.1 | 7.0 | - | 55.6 | 59.7 -4.1 |
| 02:00 AM - 02:05 AM | 59.4 | 62.7 | -3.3 | 7.0 | - | 55.4 | 59.7 -4.3 |
| 02:05 AM - 02:10 AM | 59.2 | 62.7 | -3.5 | 7.0 | - | 55.2 | 59.7 -4.5 |
| 02:10 AM - 02:15 AM | 59.0 | 62.7 | -3.7 | 7.0 | - | 55.0 | 59.7 -4.7 |
| 02:15 AM - 02:20 AM | 59.2 | 62.7 | -3.5 | 7.0 | - | 55.2 | 59.7 -4.5 |
| 02:20 AM - 02:25 AM | 58.9 | 62.7 | -3.8 | 7.0 | - | 54.9 | 59.7 -4.8 |
| 02:25 AM - 02:30 AM | 59.2 | 62.7 | -3.5 | 7.0 | - | 55.2 | 59.7 -4.5 |
| 02:30 AM - 02:35 AM | 59.1 | 62.7 | -3.6 | 7.0 | - | 55.1 | 59.7 -4.6 |
| 02:35 AM - 02:40 AM | 59.2 | 62.7 | -3.5 | 7.0 | - | 55.2 | 59.7 -4.5 |
| 02:40 AM - 02:45 AM | 59.2 | 62.7 | -3.5 | 7.0 | - | 55.2 | 59.7 -4.5 |
| 02:45 AM - 02:50 AM | 59.0 | 62.7 | -3.7 | 7.0 | - | 55.0 | 59.7 -4.7 |
| 02:50 AM - 02:55 AM | 59.1 | 62.7 | -3.6 | 7.0 | - | 55.1 | 59.7 -4.6 |
| 02:55 AM - 03:00 AM | 59.1 | 62.7 | -3.6 | 7.0 | - | 55.1 | 59.7 -4.6 |
| 03:00 AM - 03:05 AM | 59.2 | 62.7 | -3.5 | 7.0 | - | 55.2 | 59.7 -4.5 |
| 03:05 AM - 03:10 AM | 59.2 | 62.7 | -3.5 | 7.0 | - | 55.2 | 59.7 -4.5 |
| 03:10 AM - 03:15 AM | 59.3 | 62.7 | -3.4 | 7.0 | - | 55.3 | 59.7 -4.4 |
| 03:15 AM - 03:20 AM | 59.3 | 62.7 | -3.4 | 7.0 | - | 55.3 | 59.7 -4.4 |
| 03:20 AM - 03:25 AM | 59.4 | 62.7 | -3.3 | 7.0 | - | 55.4 | 59.7 -4.3 |
| 03:25 AM - 03:30 AM | 59.5 | 62.7 | -3.2 | 7.0 | - | 55.5 | 59.7 -4.2 |
| 03:30 AM - 03:35 AM | 59.4 | 62.7 | -3.3 | 7.0 | - | 55.4 | 59.7 -4.3 |

ALS ANALYST ACCREDITED IALA-DE

Analysis / Test Report

TESTING No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-DM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498726-1

Page 2 of 3

Sample No. 22135531-4
Parameter เสียงรบกวน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Nov 12 - 13, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00296515

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|------------|----------------------------|-------------|------------------|
| | | | ผลต่าง | ตัวปรับค่า | ค่าปรับ | ค่าปรับ | |
| 12:15 AM - 12:20 AM | 62.2 | 62.7 | -0.5 | 7.0 | - | 58.2 | 59.7 |
| 12:20 AM - 12:25 AM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 12:25 AM - 12:30 AM | 62.2 | 62.7 | -0.5 | 7.0 | - | 58.2 | 59.7 |
| 12:30 AM - 12:35 AM | 62.2 | 62.7 | -0.5 | 7.0 | - | 58.2 | 59.7 |
| 12:35 AM - 12:40 AM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 12:40 AM - 12:45 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 12:45 AM - 12:50 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 12:50 AM - 12:55 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 12:55 AM - 01:00 AM | 62.6 | 62.7 | -0.1 | 7.0 | - | 58.6 | 59.7 |
| 01:00 AM - 01:05 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 01:05 AM - 01:10 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 01:10 AM - 01:15 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 01:15 AM - 01:20 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 01:20 AM - 01:25 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 01:25 AM - 01:30 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 01:30 AM - 01:35 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 01:35 AM - 01:40 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 01:40 AM - 01:45 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 01:45 AM - 01:50 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 01:50 AM - 01:55 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 01:55 AM - 02:00 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 02:00 AM - 02:05 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 02:05 AM - 02:10 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 02:10 AM - 02:15 AM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 02:15 AM - 02:20 AM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 02:20 AM - 02:25 AM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 02:25 AM - 02:30 AM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 02:30 AM - 02:35 AM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 02:35 AM - 02:40 AM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 02:40 AM - 02:45 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 02:45 AM - 02:50 AM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 02:50 AM - 02:55 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 02:55 AM - 03:00 AM | 62.2 | 62.7 | -0.5 | 7.0 | - | 58.2 | 59.7 |
| 03:00 AM - 03:05 AM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 03:05 AM - 03:10 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 03:10 AM - 03:15 AM | 62.2 | 62.7 | -0.5 | 7.0 | - | 58.2 | 59.7 |
| 03:15 AM - 03:20 AM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 03:20 AM - 03:25 AM | 62.2 | 62.7 | -0.5 | 7.0 | - | 58.2 | 59.7 |
| 03:25 AM - 03:30 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 03:30 AM - 03:35 AM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |

The above results are valid only for the unaltered sample(s) as indicated in this report. Any use of the report for other purposes is at the user's risk. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for any errors or omissions in this report.

Approved by: Wilawan Borriak Assistant Manager

ADDRESS 616/10 Moo 5, 1 Maenam Khu A, Pluakdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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ALS ANALYST ACCREDITED IALA-DE

Analysis / Test Report

TESTING No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-DM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498726-1

Page 1 of 3

Sample No. 22135531-5
Parameter เสียงรบกวน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Nov 13 - 14, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00296515

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|------------|----------------------------|-------------|------------------|
| | | | ผลต่าง | ตัวปรับค่า | ค่าปรับ | ค่าปรับ | |
| 09:00 AM - 10:00 AM | 62.2 | 65.0 | -2.8 | 7.0 | - | 62.4 | -7.2 |
| 10:00 AM - 11:00 AM | 61.7 | 65.0 | -3.3 | 7.0 | - | 62.4 | -7.7 |
| 11:00 AM - 12:00 PM | 61.7 | 65.0 | -3.3 | 7.0 | - | 62.4 | -7.7 |
| 12:00 PM - 01:00 PM | 61.7 | 65.0 | -3.3 | 7.0 | - | 62.4 | -7.7 |
| 01:00 PM - 02:00 PM | 62.2 | 65.0 | -2.8 | 7.0 | - | 62.4 | -7.2 |
| 02:00 PM - 03:00 PM | 62.1 | 65.0 | -2.9 | 7.0 | - | 62.4 | -7.3 |
| 03:00 PM - 04:00 PM | 61.9 | 65.0 | -3.1 | 7.0 | - | 62.4 | -7.5 |
| 04:00 PM - 05:00 PM | 62.2 | 65.0 | -2.8 | 7.0 | - | 62.4 | -7.2 |
| 05:00 PM - 06:00 PM | 62.4 | 65.0 | -2.6 | 7.0 | - | 62.4 | -7.0 |
| 06:00 PM - 07:00 PM | 62.5 | 65.0 | -2.5 | 7.0 | - | 62.4 | -6.9 |
| 07:00 PM - 08:00 PM | 62.4 | 65.0 | -2.6 | 7.0 | - | 62.4 | -7.0 |
| 08:00 PM - 09:00 PM | 62.3 | 65.0 | -2.7 | 7.0 | - | 62.4 | -7.1 |
| 09:00 PM - 10:00 PM | 62.3 | 65.0 | -2.7 | 7.0 | - | 62.4 | -7.1 |
| 10:00 PM - 10:05 PM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 10:05 PM - 10:10 PM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 10:10 PM - 10:15 PM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 10:15 PM - 10:20 PM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 10:20 PM - 10:25 PM | 62.2 | 62.7 | -0.5 | 7.0 | - | 58.2 | 59.7 |
| 10:25 PM - 10:30 PM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 10:30 PM - 10:35 PM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 10:35 PM - 10:40 PM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 10:40 PM - 10:45 PM | 62.2 | 62.7 | -0.5 | 7.0 | - | 58.2 | 59.7 |
| 10:45 PM - 10:50 PM | 62.0 | 62.7 | -0.7 | 7.0 | - | 58.0 | 59.7 |
| 10:50 PM - 10:55 PM | 62.6 | 62.7 | -0.1 | 7.0 | - | 58.6 | 59.7 |
| 10:55 PM - 11:00 PM | 62.0 | 62.7 | -0.7 | 7.0 | - | 58.0 | 59.7 |
| 11:00 PM - 11:05 PM | 62.1 | 62.7 | -0.6 | 7.0 | - | 58.1 | 59.7 |
| 11:05 PM - 11:10 PM | 61.9 | 62.7 | -0.8 | 7.0 | - | 57.9 | 59.7 |
| 11:10 PM - 11:15 PM | 62.0 | 62.7 | -0.7 | 7.0 | - | 58.0 | 59.7 |
| 11:15 PM - 11:20 PM | 62.0 | 62.7 | -0.7 | 7.0 | - | 58.0 | 59.7 |
| 11:20 PM - 11:25 PM | 62.2 | 62.7 | -0.5 | 7.0 | - | 58.2 | 59.7 |
| 11:25 PM - 11:30 PM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 11:30 PM - 11:35 PM | 62.2 | 62.7 | -0.5 | 7.0 | - | 58.2 | 59.7 |
| 11:35 PM - 11:40 PM | 62.3 | 62.7 | -0.4 | 7.0 | - | 58.3 | 59.7 |
| 11:40 PM - 11:45 PM | 62.2 | 62.7 | -0.5 | 7.0 | - | 58.2 | 59.7 |
| 11:45 PM - 11:50 PM | 62.1 | 62.7 | -0.6 | 7.0 | - | 58.1 | 59.7 |
| 11:50 PM - 11:55 PM | 61.9 | 62.7 | -0.8 | 7.0 | - | 57.9 | 59.7 |
| 11:55 PM - 12:00 AM | 61.8 | 62.7 | -0.9 | 7.0 | - | 57.8 | 59.7 |
| 12:00 AM - 12:05 AM | 61.8 | 62.7 | -0.9 | 7.0 | - | 57.8 | 59.7 |
| 12:05 AM - 12:10 AM | 61.8 | 62.7 | -0.9 | 7.0 | - | 57.8 | 59.7 |
| 12:10 AM - 12:15 AM | 61.8 | 62.7 | -0.9 | 7.0 | - | 57.8 | 59.7 |

The above results are valid only for the unaltered sample(s) as indicated in this report. Any use of the report for other purposes is at the user's risk. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for any errors or omissions in this report.

Approved by: Wilawan Borriak Assistant Manager

ADDRESS 616/10 Moo 5, 1 Maenam Khu A, Pluakdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report

TESTING No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-DM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498726-1

Page 2 of 3

Sample No. 22135531-4
Parameter เสียงรบกวน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Nov 12 - 13, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00296515

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|------------|----------------------------|-------------|------------------|
| | | | ผลต่าง | ตัวปรับค่า | ค่าปรับ | ค่าปรับ | |
| 03:35 AM - 03:40 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 03:40 AM - 03:45 AM | 62.4 | 62.7 | -0.3 | 7.0 | - | 58.4 | 59.7 |
| 03:45 AM - 03:50 AM | 62.6 | 62.7 | -0.1 | 7.0 | - | 58.6 | 59.7 |
| 03:50 AM - 03:55 AM | 62.6 | 62.7 | -0.1 | 7.0 | - | 58.6 | 59.7 |
| 03:55 AM - 04:00 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 04:00 AM - 04:05 AM | 62.6 | 62.7 | -0.1 | 7.0 | - | 58.6 | 59.7 |
| 04:05 AM - 04:10 AM | 62.7 | 62.7 | 0.0 | 7.0 | - | 58.7 | 59.7 |
| 04:10 AM - 04:15 AM | 62.7 | 62.7 | 0.0 | 7.0 | - | 58.7 | 59.7 |
| 04:15 AM - 04:20 AM | 62.7 | 62.7 | 0.0 | 7.0 | - | 58.7 | 59.7 |
| 04:20 AM - 04:25 AM | 62.7 | 62.7 | 0.0 | 7.0 | - | 58.7 | 59.7 |
| 04:25 AM - 04:30 AM | 62.6 | 62.7 | -0.1 | 7.0 | - | 58.6 | 59.7 |
| 04:30 AM - 04:35 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 04:35 AM - 04:40 AM | 62.6 | 62.7 | -0.1 | 7.0 | - | 58.6 | 59.7 |
| 04:40 AM - 04:45 AM | 62.6 | 62.7 | -0.1 | 7.0 | - | 58.6 | 59.7 |
| 04:45 AM - 04:50 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 04:50 AM - 04:55 AM | 62.5 | 62.7 | -0.2 | 7.0 | - | 58.5 | 59.7 |
| 04:55 AM - 05:00 AM | 62.7 | 62.7 | 0.0 | 7.0 | - | 58.7 | 59.7 |
| 05:00 AM - 05:05 AM | 62.8 | 62.7 | 0.1 | 7.0 | - | 58.8 | 59.7 |
| 05:05 AM - 05:10 AM | 62.8 | 62.7 | 0.1 | 7.0 | - | 58.8 | 59.7 |
| 05:10 AM - 05:15 AM | 62.8 | 62.7 | 0.1 | 7.0 | - | 58.8 | 59.7 |
| 05:15 AM - 05:20 AM | 62.8 | 62.7 | 0.1 | 7.0 | - | 58.8 | 59.7 |
| 05:20 AM - 05:25 AM | 62.7 | 62.7 | 0.0 | 7.0 | - | 58.7 | 59.7 |
| 05:25 AM - 05:30 AM | 62.7 | 62.7 | 0.0 | 7.0 | - | 58.7 | 59.7 |
| 05:30 AM - 05:35 AM | 63.0 | 62.7 | 0.3 | 7.0 | - | 59.0 | 59.7 |
| 05:35 AM - 05:40 AM | 63.2 | 62.7 | 0.5 | 7.0 | - | 59.2 | 59.7 |
| 05:40 AM - 05:45 AM | 63.1 | 62.7 | 0.4 | 7.0 | - | 59.1 | 59.7 |
| 05:45 AM - 05:50 AM | 62.7 | 62.7 | 0.0 | 7.0 | - | 58.7 | 59.7 |
| 05:50 AM - 05:55 AM | 63.0 | 62.7 | 0.3 | 7.0 | - | 59.0 | 59.7 |
| 05:55 AM - 06:00 AM | 63.2 | 62.7 | 0.5 | 7.0 | - | 59.2 | 59.7 |
| 06:00 AM - 07:00 AM | 62.9 | 65.0 | -2.1 | 7.0 | 55.9 | - | 62.4 |
| 07:00 AM - 08:00 AM | 62.8 | 65.0 | -2.2 | 7.0 | 55.8 | - | 62.4 |
| 08:00 AM - 09:00 AM | 62.7 | 65.0 | -2.3 | 7.0 | 55.7 | - | 62.4 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

หมายเหตุ :

1. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดค่าระดับเสียงจากแหล่งกำเนิดเสียงที่ฐานการรบกวนจากโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดค่าระดับเสียงจากแหล่งกำเนิดเสียงที่ฐานการรบกวนจากโรงงาน พ.ศ. 2553
3. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดค่าระดับเสียงจากแหล่งกำเนิดเสียงที่ฐานการรบกวนจากโรงงาน พ.ศ. 2561

ระดับเสียงตามมาตรฐานนี้ใช้สำหรับวัดเสียงจากแหล่งกำเนิดเสียงที่ฐานการรบกวน (EIA) พ.ศ. 2557 ที่วัดได้ระหว่าง 67-10 (ตาม 2557)

The above results are valid only for the unaltered sample(s) as indicated in this report. Any use of the report for other purposes is at the user's risk. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for any errors or omissions in this report.

Approved by: Wilawan Borriak Assistant Manager

ADDRESS 616/10 Moo 5, 1 Maenam Khu A, Pluakdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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ALS ANALYST ACCREDITED IALA-DE

Analysis / Test Report

TESTING No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyapghon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-DM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498726-1

Page 1 of 3

Sample No. 22135531-5
Parameter เสียงรบกวน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Nov 13 - 14, 2021
Measurement by Ronnach



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyaphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name : Glow SPP11 Plant 1
Project Location : Glow SPP11 Plant 1

Sample No. 22135531-5
Parameter เสียงรบกวน
Location North Fence (GPS 47P 0731791, 1438290)
Measurement Date Nov 13 - 24, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00295515

TESTING
No.0042

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498727-1

Page 3 of 3

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลจากสิ่งแวดล้อม | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่ารวมการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|----------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 03:35 AM - 03:40 AM | 62.3 | 62.7 | -0.6 | 7.0 | 58.1 | 59.7 | -1.6 | |
| 03:40 AM - 03:45 AM | 62.0 | 62.7 | -0.7 | 7.0 | 58.0 | 59.7 | -1.7 | |
| 03:45 AM - 03:50 AM | 62.3 | 62.7 | -0.4 | 7.0 | 58.3 | 59.7 | -1.4 | |
| 03:50 AM - 03:55 AM | 62.2 | 62.7 | -0.5 | 7.0 | 58.2 | 59.7 | -1.5 | |
| 03:55 AM - 04:00 AM | 62.2 | 62.7 | -0.5 | 7.0 | 58.2 | 59.7 | -1.5 | |
| 04:00 AM - 04:05 AM | 62.1 | 62.7 | -0.6 | 7.0 | 58.1 | 59.7 | -1.6 | |
| 04:05 AM - 04:10 AM | 62.3 | 62.7 | -0.4 | 7.0 | 58.3 | 59.7 | -1.4 | |
| 04:10 AM - 04:15 AM | 62.3 | 62.7 | -0.4 | 7.0 | 58.3 | 59.7 | -1.4 | |
| 04:15 AM - 04:20 AM | 62.3 | 62.7 | -0.4 | 7.0 | 58.3 | 59.7 | -1.4 | |
| 04:20 AM - 04:25 AM | 62.2 | 62.7 | -0.5 | 7.0 | 58.2 | 59.7 | -1.5 | |
| 04:25 AM - 04:30 AM | 62.3 | 62.7 | -0.4 | 7.0 | 58.3 | 59.7 | -1.4 | |
| 04:30 AM - 04:35 AM | 62.5 | 62.7 | -0.2 | 7.0 | 58.5 | 59.7 | -1.2 | |
| 04:35 AM - 04:40 AM | 62.5 | 62.7 | -0.2 | 7.0 | 58.5 | 59.7 | -1.2 | |
| 04:40 AM - 04:45 AM | 62.4 | 62.7 | -0.3 | 7.0 | 58.4 | 59.7 | -1.3 | |
| 04:45 AM - 04:50 AM | 62.3 | 62.7 | -0.4 | 7.0 | 58.3 | 59.7 | -1.4 | |
| 04:50 AM - 04:55 AM | 62.4 | 62.7 | -0.3 | 7.0 | 58.5 | 59.7 | -1.3 | |
| 04:55 AM - 05:00 AM | 62.5 | 62.7 | -0.2 | 7.0 | 58.5 | 59.7 | -1.2 | |
| 05:00 AM - 05:05 AM | 62.3 | 62.7 | -0.4 | 7.0 | 58.3 | 59.7 | -1.4 | |
| 05:05 AM - 05:10 AM | 62.5 | 62.7 | -0.2 | 7.0 | 58.5 | 59.7 | -1.2 | |
| 05:10 AM - 05:15 AM | 62.6 | 62.7 | -0.1 | 7.0 | 58.6 | 59.7 | -1.1 | |
| 05:15 AM - 05:20 AM | 62.4 | 62.7 | -0.3 | 7.0 | 58.4 | 59.7 | -1.3 | |
| 05:20 AM - 05:25 AM | 62.5 | 62.7 | -0.2 | 7.0 | 58.5 | 59.7 | -1.2 | |
| 05:25 AM - 05:30 AM | 62.9 | 62.7 | 0.2 | 7.0 | 58.9 | 59.7 | -0.8 | |
| 05:30 AM - 05:35 AM | 63.8 | 62.7 | 1.1 | 7.0 | 59.0 | 59.7 | -0.7 | |
| 05:35 AM - 05:40 AM | 62.7 | 62.7 | 0.0 | 7.0 | 58.7 | 59.7 | -1.0 | |
| 05:40 AM - 05:45 AM | 62.1 | 62.7 | -0.6 | 7.0 | 58.1 | 59.7 | -1.6 | |
| 05:45 AM - 05:50 AM | 63.5 | 62.7 | 0.8 | 7.0 | 59.5 | 59.7 | -0.2 | |
| 05:50 AM - 05:55 AM | 62.7 | 62.7 | 0.0 | 7.0 | 58.7 | 59.7 | -1.0 | |
| 05:55 AM - 06:00 AM | 62.5 | 62.7 | -0.2 | 7.0 | 58.5 | 59.7 | -1.2 | |
| 06:00 AM - 07:00 AM | 62.6 | 65.0 | -2.4 | 7.0 | 55.6 | 62.4 | -6.8 | |
| 07:00 AM - 08:00 AM | 62.5 | 65.0 | -2.5 | 7.0 | 55.5 | 62.4 | -6.9 | |
| 08:00 AM - 09:00 AM | 62.3 | 65.0 | -2.7 | 7.0 | 55.3 | 62.4 | -7.1 | |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ
1. ผลการตรวจวัดค่าเสียงรบกวน ซึ่ง ค่าขณะวัดเสียงรบกวนและระดับเสียงที่เสียงจากแหล่งกำเนิดการโรงงาน พ.ศ. 2548
 2. ผลการตรวจวัดค่าเสียงรบกวน ซึ่ง ค่าขณะวัดเสียงรบกวนและระดับเสียงที่เสียงจากแหล่งกำเนิดการโรงงาน พ.ศ. 2553
 3. ผลการตรวจวัดค่าเสียงรบกวน ซึ่ง ค่าขณะวัดเสียงรบกวนและระดับเสียงที่เสียงจากแหล่งกำเนิดการโรงงาน พ.ศ. 2561
- ระดับเสียงรบกวนค่าเฉลี่ยทางสถิติ (ค่าเฉลี่ยทางสถิติของค่าเสียงรบกวน) (EIA) พ.ศ. 2557 ในทิศทาง 07-10 นิตยสาร 2557

Approved by

Wiwann Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyaphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name : Glow SPP11 Plant 1
Project Location : Glow SPP11 Plant 1

Sample No. 22135531-6
Parameter เสียงรบกวน
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Nov 09 - 10, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222723

TESTING
No.0042

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498727-1

Page 2 of 3

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลจากสิ่งแวดล้อม | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่ารวมการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|----------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 12:20 AM - 12:25 AM | 58.5 | 61.5 | -3.0 | 7.0 | 54.5 | 61.0 | -6.5 | |
| 12:25 AM - 12:30 AM | 57.3 | 61.5 | -4.2 | 7.0 | 53.3 | 61.0 | -7.7 | |
| 12:30 AM - 12:35 AM | 57.9 | 61.5 | -3.6 | 7.0 | 54.3 | 61.0 | -7.1 | |
| 12:35 AM - 12:40 AM | 57.4 | 61.5 | -4.1 | 7.0 | 53.4 | 61.0 | -7.6 | |
| 12:40 AM - 12:45 AM | 58.3 | 61.5 | -3.2 | 7.0 | 55.3 | 61.0 | -6.7 | |
| 12:45 AM - 12:50 AM | 59.5 | 61.5 | -2.0 | 7.0 | 57.5 | 61.0 | -5.5 | |
| 12:50 AM - 12:55 AM | 59.3 | 61.5 | -2.2 | 7.0 | 57.3 | 61.0 | -5.7 | |
| 12:55 AM - 01:00 AM | 58.5 | 61.5 | -3.0 | 7.0 | 55.5 | 61.0 | -6.5 | |
| 01:00 AM - 01:05 AM | 56.5 | 61.5 | -5.0 | 7.0 | 52.5 | 61.0 | -8.5 | |
| 01:05 AM - 01:10 AM | 56.8 | 61.5 | -4.7 | 7.0 | 52.8 | 61.0 | -8.2 | |
| 01:10 AM - 01:15 AM | 56.3 | 61.5 | -5.2 | 7.0 | 52.3 | 61.0 | -8.7 | |
| 01:15 AM - 01:20 AM | 55.5 | 61.5 | -6.0 | 7.0 | 51.5 | 61.0 | -9.5 | |
| 01:20 AM - 01:25 AM | 56.0 | 61.5 | -5.5 | 7.0 | 52.0 | 61.0 | -9.0 | |
| 01:25 AM - 01:30 AM | 55.9 | 61.5 | -5.6 | 7.0 | 51.9 | 61.0 | -9.1 | |
| 01:30 AM - 01:35 AM | 56.2 | 61.5 | -5.3 | 7.0 | 52.2 | 61.0 | -8.8 | |
| 01:35 AM - 01:40 AM | 55.8 | 61.5 | -5.7 | 7.0 | 51.8 | 61.0 | -9.2 | |
| 01:40 AM - 01:45 AM | 56.6 | 61.5 | -4.9 | 7.0 | 52.6 | 61.0 | -8.4 | |
| 01:45 AM - 01:50 AM | 55.4 | 61.5 | -6.1 | 7.0 | 51.4 | 61.0 | -9.6 | |
| 01:50 AM - 01:55 AM | 55.1 | 61.5 | -6.4 | 7.0 | 51.1 | 61.0 | -9.9 | |
| 01:55 AM - 02:00 AM | 55.8 | 61.5 | -5.7 | 7.0 | 52.1 | 61.0 | -8.9 | |
| 02:00 AM - 02:05 AM | 54.9 | 61.5 | -6.6 | 7.0 | 50.9 | 61.0 | -10.1 | |
| 02:05 AM - 02:10 AM | 55.2 | 61.5 | -6.3 | 7.0 | 51.2 | 61.0 | -9.8 | |
| 02:10 AM - 02:15 AM | 55.1 | 61.5 | -6.4 | 7.0 | 51.1 | 61.0 | -9.9 | |
| 02:15 AM - 02:20 AM | 54.3 | 61.5 | -7.2 | 7.0 | 50.3 | 61.0 | -10.7 | |
| 02:20 AM - 02:25 AM | 54.4 | 61.5 | -7.1 | 7.0 | 50.4 | 61.0 | -10.6 | |
| 02:25 AM - 02:30 AM | 54.7 | 61.5 | -6.8 | 7.0 | 50.7 | 61.0 | -10.3 | |
| 02:30 AM - 02:35 AM | 54.5 | 61.5 | -7.0 | 7.0 | 50.5 | 61.0 | -10.5 | |
| 02:35 AM - 02:40 AM | 54.1 | 61.5 | -7.4 | 7.0 | 50.1 | 61.0 | -10.9 | |
| 02:40 AM - 02:45 AM | 54.2 | 61.5 | -7.3 | 7.0 | 50.2 | 61.0 | -10.8 | |
| 02:45 AM - 02:50 AM | 54.5 | 61.5 | -7.0 | 7.0 | 50.5 | 61.0 | -10.5 | |
| 02:50 AM - 02:55 AM | 54.2 | 61.5 | -7.3 | 7.0 | 50.2 | 61.0 | -10.8 | |
| 02:55 AM - 03:00 AM | 54.1 | 61.5 | -7.4 | 7.0 | 50.1 | 61.0 | -10.9 | |
| 03:00 AM - 03:05 AM | 54.4 | 61.5 | -7.1 | 7.0 | 50.4 | 61.0 | -10.6 | |
| 03:05 AM - 03:10 AM | 55.9 | 61.5 | -5.6 | 7.0 | 51.9 | 61.0 | -9.1 | |
| 03:10 AM - 03:15 AM | 54.5 | 61.5 | -7.0 | 7.0 | 50.5 | 61.0 | -10.5 | |
| 03:15 AM - 03:20 AM | 54.2 | 61.5 | -7.3 | 7.0 | 50.2 | 61.0 | -10.8 | |
| 03:20 AM - 03:25 AM | 54.5 | 61.5 | -7.0 | 7.0 | 50.5 | 61.0 | -10.5 | |
| 03:25 AM - 03:30 AM | 54.2 | 61.5 | -7.3 | 7.0 | 50.2 | 61.0 | -10.8 | |
| 03:30 AM - 03:35 AM | 54.1 | 61.5 | -7.4 | 7.0 | 50.1 | 61.0 | -10.9 | |
| 03:35 AM - 03:40 AM | 55.6 | 61.5 | -5.9 | 7.0 | 51.6 | 61.0 | -9.4 | |

Approved by

Wiwann Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyaphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name : Glow SPP11 Plant 1
Project Location : Glow SPP11 Plant 1

Sample No. 22135531-6
Parameter เสียงรบกวน
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Nov 09 - 10, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222723

TESTING
No.0042

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498727-1

Page 1 of 3

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลจากสิ่งแวดล้อม | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่ารวมการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|----------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| | | | | | | | | |
| 10:00 AM - 11:00 AM | 56.6 | 63.9 | -7.3 | 7.0 | 49.6 | - | 63.2 | -13.6 |
| 11:00 AM - 12:00 PM | 55.5 | 63.9 | -8.4 | 7.0 | 48.5 | - | 63.2 | -14.7 |
| 12:00 PM - 01:00 PM | 55.5 | 63.9 | -8.4 | 7.0 | 48.5 | - | 63.2 | -14.7 |
| 01:00 PM - 02:00 PM | 55.8 | 63.9 | -8.1 | 7.0 | 48.8 | - | 63.2 | -14.4 |
| 02:00 PM - 03:00 PM | 60.7 | 63.9 | -3.2 | 7.0 | 53.7 | - | 63.2 | -9.5 |
| 03:00 PM - 04:00 PM | 62.1 | 63.9 | -1.8 | 7.0 | 55.1 | - | 63.2 | -11.1 |
| 04:00 PM - 05:00 PM | 63.1 | 63.9 | -0.8 | 7.0 | 56.1 | - | 63.2 | -7.1 |
| 05:00 PM - 06:00 PM | 62.1 | 63.9 | -1.8 | 7.0 | 55.1 | - | 63.2 | -8.1 |
| 06:00 PM - 07:00 PM | 61.9 | 63.9 | -2.0 | 7.0 | 54.9 | - | 63.2 | -8.3 |
| 07:00 PM - 08:00 PM | 61.6 | 63.9 | -2.3 | 7.0 | 54.6 | - | 63.2 | -8.6 |
| 08:00 PM - 09:00 PM | 63.1 | 63.9 | -0.8 | 7.0 | 56.1 | - | 63.2 | -7.1 |
| 09:00 PM - 10:00 PM | 62.9 | 63.9 | -1.0 | 7.0 | 55.9 | - | 63.2 | -7.3 |
| 10:00 PM - 10:05 PM | 62.3 | 61.5 | -0.8 | 7.0 | 58.3 | - | 58.3 | 0.0 |
| 10:05 PM - 10:10 PM | 62.3 | 61.5 | -0.8 | 7.0 | 58.3 | - | 58.3 | 0.0 |
| 10:10 PM - 10:15 PM | 62.1 | 61.5 | -0.6 | 7.0 | 58.1 | - | 58.1 | 0.0 |
| 10:15 PM - 10:20 PM | 62.2 | 61.5 | -0.7 | 7.0 | 58.2 | - | 58.2 | 0.0 |
| 10:20 PM - 10:25 PM | 61.1 | 61.5 | -0.4 | 7.0 | 57.1 | - | 57.1 | 0.0 |
| 10:25 PM - 10:30 PM | 57.7 | 61.5 | -4.8 | 7.0 | 52.7 | - | 52.7 | 0.0 |
| 10:30 PM - 10:35 PM | 56.5 | 61.5 | -5.0 | 7.0 | 52.5 | - | 52.5 | 0.0 |
| 10:35 PM - 10:40 PM | 57.2 | 61.5 | -4.3 | 7.0 | 53.2 | - | 53.2 | 0.0 |
| 10:40 PM - 10:45 PM | 57.7 | 61.5 | -3.8 | 7.0 | 53.7 | - | 53.7 | 0.0 |
| 10:45 PM - 10:50 PM | 57.1 | 61.5 | -4.4 | 7.0 | 53.1 | - | 53.1 | 0.0 |
| 10:50 PM - 10:55 PM | 57.8 | 61.5 | -3.7 | 7.0 | 53.8 | - | 53.8 | 0.0 |
| 10:55 PM - 11:00 PM | 56.6 | 61.5 | -4.9 | 7.0 | 52.6 | - | 52.6 | 0.0 |
| 11:00 PM - 11:05 PM | 56.5 | 61.5 | -5.0 | 7.0 | 52.5 | - | 52.5 | 0.0 |
| 11:05 PM - 11:10 PM | 60.0 | 61.5 | -1.5 | 7.0 | 56.0 | - | 56.0 | 0.0 |
| 11:10 PM - 11:15 PM | 56.5 | 61.5 | -5.0 | 7.0 | 52.5 | - | 52.5 | 0.0 |
| 11:15 PM - 11:20 PM | 56.7 | 61.5 | -4.8 | 7.0 | 52.7 | - | 52.7 | 0.0 |
| 11:20 PM - 11:25 PM | 57.4 | 61.5 | -4.1 | 7.0 | 53.4 | - | 53.4 | 0.0 |
| 11:25 PM - 11:30 PM | 57.2 | 61.5 | -4.3 | 7.0 | 53.2 | - | 53.2 | 0.0 |
| 11:30 PM - 11:35 PM | 56.4 | 61.5 | -5.1 | 7.0 | 52.4 | - | 52.4 | 0.0 |
| 11:35 PM - 11:40 PM | 56.3 | 61.5 | -5.2 | 7.0 | 52.3 | - | 52.3 | 0.0 |
| 11:40 PM - 11:45 PM | 56.3 | 61.5 | -5.2 | 7.0 | 52.3 | - | 52.3 | 0.0 |
| 11:45 PM - 11:50 PM | 55.7 | 61.5 | -5.8 | 7.0 | 51.7 | - | 51.7 | 0.0 |
| 11:50 PM - 11:55 PM | 55.5 | 61.5 | -6.0 | 7.0 | 51.5 | - | 51.5 | 0.0 |
| 11:55 PM - 12:00 AM | 57.4 | 61.5 | -4.1 | 7.0 | 53.4 | - | 53.4 | 0.0 |
| 12:00 AM - 12:05 AM | 57.4 | 61.5 | -4.1 | 7.0 | 53.4 | - | 53.4 | 0.0 |
| 12:05 AM - 12:10 AM | 58.1 | 61.5 | -3.4 | 7.0 | 54.1 | - | 54.1 | 0.0 |
| 12:10 AM - 12:15 AM | 57.3 | 61.5 | -4.2 | 7.0 | 53.1 | - | 53.1 | 0.0 |
| 12:15 AM - 12:20 AM | 58.5 | 61.5 | -3.0 | 7.0 | 54.5 | - | 54.5 | 0.0 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498728-1

Sample No. 22135531-7
Parameter เสียงรบกวน
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Nov 10 - 11, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222723

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนไม่มีการรบกวน | ผลต่างระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐานการรบกวน | ค่าเฉลี่ย |
|---------------------|---------------------|-------------------------|------------------|------------|----------------------------|---------|---------------------|-----------|
| | | | | | กลางวัน | กลางคืน | | |
| 10:00 AM - 11:00 AM | 56.4 | 63.9 | -7.5 | 7.0 | 49.4 | - | 63.2 | -13.8 |
| 11:00 AM - 12:00 PM | 56.0 | 63.9 | -7.9 | 7.0 | 49.0 | - | 63.2 | -14.2 |
| 12:00 PM - 01:00 PM | 55.7 | 63.9 | -8.2 | 7.0 | 48.7 | - | 63.2 | -14.5 |
| 01:00 PM - 02:00 PM | 56.1 | 63.9 | -7.8 | 7.0 | 49.1 | - | 63.2 | -14.1 |
| 02:00 PM - 03:00 PM | 60.7 | 63.9 | -3.2 | 7.0 | 53.7 | - | 63.2 | -9.5 |
| 03:00 PM - 04:00 PM | 62.5 | 63.9 | -1.4 | 7.0 | 55.5 | - | 63.2 | -7.7 |
| 04:00 PM - 05:00 PM | 62.7 | 63.9 | -1.2 | 7.0 | 55.7 | - | 63.2 | -7.5 |
| 05:00 PM - 06:00 PM | 62.8 | 63.9 | -1.1 | 7.0 | 55.8 | - | 63.2 | -7.4 |
| 06:00 PM - 07:00 PM | 62.7 | 63.9 | -1.2 | 7.0 | 55.7 | - | 63.2 | -7.5 |
| 07:00 PM - 08:00 PM | 62.7 | 63.9 | -1.2 | 7.0 | 55.7 | - | 63.2 | -7.5 |
| 08:00 PM - 09:00 PM | 62.5 | 63.9 | -1.4 | 7.0 | 55.5 | - | 63.2 | -7.7 |
| 09:00 PM - 10:00 PM | 62.9 | 63.9 | -1.0 | 7.0 | 55.9 | - | 63.2 | -7.3 |
| 10:00 PM - 10:05 PM | 62.1 | 61.5 | 0.6 | 7.0 | - | 58.1 | 61.0 | -2.9 |
| 10:05 PM - 10:10 PM | 61.9 | 61.5 | 0.4 | 7.0 | - | 58.3 | 61.0 | -3.1 |
| 10:10 PM - 10:15 PM | 62.3 | 61.5 | 0.8 | 7.0 | - | 58.3 | 61.0 | -2.7 |
| 10:15 PM - 10:20 PM | 62.1 | 61.5 | 0.6 | 7.0 | - | 58.1 | 61.0 | -2.9 |
| 10:20 PM - 10:25 PM | 60.6 | 61.5 | -0.9 | 7.0 | - | 56.6 | 61.0 | -4.4 |
| 10:25 PM - 10:30 PM | 57.3 | 61.5 | -4.2 | 7.0 | - | 53.3 | 61.0 | -7.7 |
| 10:30 PM - 10:35 PM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 10:35 PM - 10:40 PM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 |
| 10:40 PM - 10:45 PM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 10:45 PM - 10:50 PM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 10:50 PM - 10:55 PM | 55.9 | 61.5 | -5.6 | 7.0 | - | 51.9 | 61.0 | -9.1 |
| 10:55 PM - 11:00 PM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 11:00 PM - 11:05 PM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 11:05 PM - 11:10 PM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 11:10 PM - 11:15 PM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 11:15 PM - 11:20 PM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 11:20 PM - 11:25 PM | 55.8 | 61.5 | -5.7 | 7.0 | - | 51.8 | 61.0 | -9.2 |
| 11:25 PM - 11:30 PM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 11:30 PM - 11:35 PM | 56.3 | 61.5 | -5.2 | 7.0 | - | 52.3 | 61.0 | -8.7 |
| 11:35 PM - 11:40 PM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 |
| 11:40 PM - 11:45 PM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 11:45 PM - 11:50 PM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 |
| 11:50 PM - 11:55 PM | 56.3 | 61.5 | -5.2 | 7.0 | - | 52.3 | 61.0 | -8.7 |
| 11:55 PM - 12:00 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 12:00 AM - 12:05 AM | 55.5 | 61.5 | -6.0 | 7.0 | - | 51.5 | 61.0 | -9.5 |
| 12:05 AM - 12:10 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 |
| 12:10 AM - 12:15 AM | 55.5 | 61.5 | -6.0 | 7.0 | - | 51.5 | 61.0 | -9.5 |
| 12:15 AM - 12:20 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |

The above results are valid only for the end user (customer) and are not to be used for any other purpose. The results are not to be used for any other purpose. The results are not to be used for any other purpose.

Approved by

Wibb.

Wilawan Borrik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Marnam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498728-1

Sample No. 22135531-7
Parameter เสียงรบกวน
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Nov 10 - 11, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222723

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนไม่มีการรบกวน | ผลต่างระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐานการรบกวน | ค่าเฉลี่ย |
|---------------------|---------------------|-------------------------|------------------|------------|----------------------------|---------|---------------------|-----------|
| | | | | | กลางวัน | กลางคืน | | |
| 03:40 AM - 03:45 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 03:45 AM - 03:50 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 03:50 AM - 03:55 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 03:55 AM - 04:00 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 04:00 AM - 04:05 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 04:05 AM - 04:10 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 04:10 AM - 04:15 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 04:15 AM - 04:20 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 | -10.8 |
| 04:20 AM - 04:25 AM | 54.1 | 61.5 | -7.4 | 7.0 | - | 50.1 | 61.0 | -10.9 |
| 04:25 AM - 04:30 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 | -10.8 |
| 04:30 AM - 04:35 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 04:35 AM - 04:40 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 04:40 AM - 04:45 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 04:45 AM - 04:50 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 04:50 AM - 04:55 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 04:55 AM - 05:00 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 05:00 AM - 05:05 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 05:05 AM - 05:10 AM | 55.9 | 61.5 | -5.6 | 7.0 | - | 51.9 | 61.0 | -9.1 |
| 05:10 AM - 05:15 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 05:15 AM - 05:20 AM | 56.1 | 61.5 | -5.4 | 7.0 | - | 52.1 | 61.0 | -8.9 |
| 05:20 AM - 05:25 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 05:25 AM - 05:30 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 05:30 AM - 05:35 AM | 56.2 | 61.5 | -5.3 | 7.0 | - | 52.2 | 61.0 | -8.8 |
| 05:35 AM - 05:40 AM | 56.5 | 61.5 | -5.0 | 7.0 | - | 52.5 | 61.0 | -8.5 |
| 05:40 AM - 05:45 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 |
| 05:45 AM - 05:50 AM | 56.4 | 61.5 | -5.1 | 7.0 | - | 52.4 | 61.0 | -8.6 |
| 05:50 AM - 05:55 AM | 57.4 | 61.5 | -4.1 | 7.0 | - | 53.4 | 61.0 | -7.6 |
| 05:55 AM - 06:00 AM | 57.4 | 61.5 | -4.1 | 7.0 | - | 53.4 | 61.0 | -7.6 |
| 06:00 AM - 07:00 AM | 56.6 | 63.9 | -7.3 | 7.0 | 49.6 | - | 63.2 | -13.6 |
| 07:00 AM - 08:00 AM | 58.4 | 63.9 | -5.5 | 7.0 | 51.4 | - | 63.2 | -11.8 |
| 08:00 AM - 09:00 AM | 60.8 | 63.9 | -3.1 | 7.0 | 53.8 | - | 63.2 | -9.4 |
| 09:00 AM - 10:00 AM | 57.0 | 63.9 | -6.9 | 7.0 | 50.0 | - | 63.2 | -13.2 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ
- ผลการตรวจวัดเสียงรบกวน (เสียง) ตามค่าเฉลี่ยเสียงรบกวนตามระดับเสียง (dB) ที่ตรวจวัดได้จากการประกอบกิจการโรงงาน พ.ศ. 2548
 - ผลการตรวจวัดเสียงรบกวน (เสียง) ตามค่าเฉลี่ยเสียงรบกวนตามระดับเสียง (dB) ที่ตรวจวัดได้จากการประกอบกิจการโรงงาน พ.ศ. 2557
 - ผลการตรวจวัดเสียงรบกวน (เสียง) ตามค่าเฉลี่ยเสียงรบกวนตามระดับเสียง (dB) ที่ตรวจวัดได้จากการประกอบกิจการโรงงาน พ.ศ. 2561
 - ผลการตรวจวัดเสียงรบกวน (เสียง) ตามค่าเฉลี่ยเสียงรบกวนตามระดับเสียง (dB) ที่ตรวจวัดได้จากการประกอบกิจการโรงงาน พ.ศ. 2565
 - ผลการตรวจวัดเสียงรบกวน (เสียง) ตามค่าเฉลี่ยเสียงรบกวนตามระดับเสียง (dB) ที่ตรวจวัดได้จากการประกอบกิจการโรงงาน พ.ศ. 2569

The above results are valid only for the end user (customer) and are not to be used for any other purpose. The results are not to be used for any other purpose. The results are not to be used for any other purpose.

Approved by

Wibb.

Wilawan Borrik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Marnam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498728-1

Sample No. 22135531-7
Parameter เสียงรบกวน
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Nov 10 - 11, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222723

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐานการรบกวน | ค่าเฉลี่ยการรบกวน |
|---------------------|---------------------|-------------------------|--------------------|---------|------------|----------------------------|---------|---------------------|-------------------|
| | | | กลางวัน | กลางคืน | | กลางวัน | กลางคืน | | |
| 12:20 AM - 12:25 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 | |
| 12:25 AM - 12:30 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 | |
| 12:30 AM - 12:35 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 | |
| 12:35 AM - 12:40 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 | |
| 12:40 AM - 12:45 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 | |
| 12:45 AM - 12:50 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 | |
| 12:50 AM - 12:55 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 | |
| 12:55 AM - 01:00 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 | |
| 01:00 AM - 01:05 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 | |
| 01:05 AM - 01:10 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 | |
| 01:10 AM - 01:15 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 | -10.0 | |
| 01:15 AM - 01:20 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 | |
| 01:20 AM - 01:25 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 | |
| 01:25 AM - 01:30 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 | |
| 01:30 AM - 01:35 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 | |
| 01:35 AM - 01:40 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 | |
| 01:40 AM - 01:45 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 | |
| 01:45 AM - 01:50 AM | 54.1 | 61.5 | -7.4 | 7.0 | - | 50.1 | 61.0 | -10.9 | |
| 01:50 AM - 01:55 AM | 55.9 | 61.5 | -5.6 | 7.0 | - | 51.9 | 61.0 | -9.1 | |
| 01:55 AM - 02:00 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 | |
| 02:00 AM - 02:05 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 | |
| 02:05 AM - 02:10 AM | 54.0 | 61.5 | -7.5 | 7.0 | - | 50.0 | 61.0 | -11.0 | |
| 02:10 AM - 02:15 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 | |
| 02:15 AM - 02:20 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 | |
| 02:20 AM - 02:25 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 | |
| 02:25 AM - 02:30 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 | -10.8 | |
| 02:30 AM - 02:35 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 | -10.8 | |
| 02:35 AM - 02:40 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 | -10.8 | |
| 02:40 AM - 02:45 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 | |
| 02:45 AM - 02:50 AM | 55.5 | 61.5 | -6.0 | 7.0 | - | 51.5 | 61.0 | -9.5 | |
| 02:50 AM - 02:55 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 | |
| 02:55 AM - 03:00 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 | |
| 03:00 AM - 03:05 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 | -10.0 | |
| 03:05 AM - 03:10 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 | |
| 03:10 AM - 03:15 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 | |
| 03:15 AM - 03:20 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 | |
| 03:20 AM - 03:25 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 | |
| 03:25 AM - 03:30 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 | |
| 03:30 AM - 03:35 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 | |
| 03:35 AM - 03:40 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 | |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498729-1

Page 2 of 3

Sample No. 22135531-8
Parameter เสียงรบกวน
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Nov 11 - 12, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222723

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|-------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 12:20 AM - 12:25 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 12:25 AM - 12:30 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 12:30 AM - 12:35 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 12:35 AM - 12:40 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 12:40 AM - 12:45 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 12:45 AM - 12:50 AM | 56.8 | 61.5 | -4.7 | 7.0 | - | 52.8 | 61.0 | -8.2 |
| 12:50 AM - 12:55 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 | -10.8 |
| 12:55 AM - 01:00 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 01:00 AM - 01:05 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 01:05 AM - 01:10 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 01:10 AM - 01:15 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 01:15 AM - 01:20 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 01:20 AM - 01:25 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 01:25 AM - 01:30 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 01:30 AM - 01:35 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 01:35 AM - 01:40 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 01:40 AM - 01:45 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 | -10.8 |
| 01:45 AM - 01:50 AM | 54.1 | 61.5 | -7.4 | 7.0 | - | 50.1 | 61.0 | -10.9 |
| 01:50 AM - 01:55 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 | -10.8 |
| 01:55 AM - 02:00 AM | 55.9 | 61.5 | -5.6 | 7.0 | - | 51.9 | 61.0 | -9.1 |
| 02:00 AM - 02:05 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 |
| 02:05 AM - 02:10 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 02:10 AM - 02:15 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 02:15 AM - 02:20 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 02:20 AM - 02:25 AM | 55.6 | 61.5 | -5.9 | 7.0 | - | 51.6 | 61.0 | -9.4 |
| 02:25 AM - 02:30 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 02:30 AM - 02:35 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 02:35 AM - 02:40 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 02:40 AM - 02:45 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 02:45 AM - 02:50 AM | 55.7 | 61.5 | -5.8 | 7.0 | - | 51.7 | 61.0 | -9.3 |
| 02:50 AM - 02:55 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 02:55 AM - 03:00 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 03:00 AM - 03:05 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 03:05 AM - 03:10 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 03:10 AM - 03:15 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 03:15 AM - 03:20 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 03:20 AM - 03:25 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 03:25 AM - 03:30 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 03:30 AM - 03:35 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 03:35 AM - 03:40 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |

The above results are valid only for the specified test conditions as indicated in this report. No part of this report or data may be reproduced in any form without the consent from the Laboratory (ALS Laboratory Group (Thailand)) strongly recommends that this report is not reproduced except in full.

Approved by

Wibab

Wibawan Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498730-1

Page 1 of 3

Sample No. 22135531-9
Parameter เสียงรบกวน
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Nov 12 - 13, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222723

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|-------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 10:00 AM - 11:00 AM | 56.5 | 63.9 | -7.4 | 7.0 | 49.5 | - | 63.2 | -13.7 |
| 11:00 AM - 12:00 PM | 56.3 | 63.9 | -7.6 | 7.0 | 49.3 | - | 63.2 | -13.9 |
| 12:00 PM - 01:00 PM | 56.0 | 63.9 | -7.9 | 7.0 | 49.0 | - | 63.2 | -14.2 |
| 01:00 PM - 02:00 PM | 56.1 | 63.9 | -7.8 | 7.0 | 49.1 | - | 63.2 | -14.1 |
| 02:00 PM - 03:00 PM | 59.7 | 63.9 | -4.2 | 7.0 | 52.7 | - | 63.2 | -10.5 |
| 03:00 PM - 04:00 PM | 61.5 | 63.9 | -2.4 | 7.0 | 54.5 | - | 63.2 | -8.7 |
| 04:00 PM - 05:00 PM | 61.3 | 63.9 | -2.6 | 7.0 | 54.3 | - | 63.2 | -8.9 |
| 05:00 PM - 06:00 PM | 62.0 | 63.9 | -1.9 | 7.0 | 55.0 | - | 63.2 | -8.2 |
| 06:00 PM - 07:00 PM | 61.7 | 63.9 | -2.2 | 7.0 | 54.7 | - | 63.2 | -8.5 |
| 07:00 PM - 08:00 PM | 61.5 | 63.9 | -2.4 | 7.0 | 54.5 | - | 63.2 | -8.7 |
| 08:00 PM - 09:00 PM | 62.0 | 63.9 | -1.9 | 7.0 | 55.0 | - | 63.2 | -8.2 |
| 09:00 PM - 10:00 PM | 62.1 | 63.9 | -1.8 | 7.0 | 55.1 | - | 63.2 | -8.1 |
| 10:00 PM - 10:05 PM | 62.1 | 63.9 | -1.8 | 7.0 | 55.1 | - | 63.2 | -8.1 |
| 10:05 PM - 10:10 PM | 62.2 | 63.9 | -1.7 | 7.0 | 55.2 | - | 63.2 | -8.0 |
| 10:10 PM - 10:15 PM | 61.8 | 63.9 | -2.1 | 7.0 | 54.8 | - | 63.2 | -8.4 |
| 10:15 PM - 10:20 PM | 61.7 | 63.9 | -2.2 | 7.0 | 54.7 | - | 63.2 | -8.5 |
| 10:20 PM - 10:25 PM | 61.0 | 63.9 | -2.9 | 7.0 | 54.0 | - | 63.2 | -9.2 |
| 10:25 PM - 10:30 PM | 55.9 | 63.9 | -8.0 | 7.0 | 51.9 | - | 63.2 | -16.3 |
| 10:30 PM - 10:35 PM | 55.9 | 63.9 | -8.0 | 7.0 | 51.9 | - | 63.2 | -16.3 |
| 10:35 PM - 10:40 PM | 55.2 | 63.9 | -8.7 | 7.0 | 51.2 | - | 63.2 | -17.0 |
| 10:40 PM - 10:45 PM | 55.3 | 63.9 | -8.6 | 7.0 | 51.3 | - | 63.2 | -16.9 |
| 10:45 PM - 10:50 PM | 55.0 | 63.9 | -8.9 | 7.0 | 51.0 | - | 63.2 | -17.2 |
| 10:50 PM - 10:55 PM | 54.8 | 63.9 | -9.1 | 7.0 | 50.8 | - | 63.2 | -17.4 |
| 10:55 PM - 11:00 PM | 54.7 | 63.9 | -9.2 | 7.0 | 50.7 | - | 63.2 | -17.5 |
| 11:00 PM - 11:05 PM | 55.3 | 63.9 | -8.6 | 7.0 | 51.3 | - | 63.2 | -16.9 |
| 11:05 PM - 11:10 PM | 55.7 | 63.9 | -8.2 | 7.0 | 51.7 | - | 63.2 | -16.5 |
| 11:10 PM - 11:15 PM | 54.6 | 63.9 | -9.3 | 7.0 | 50.6 | - | 63.2 | -17.6 |
| 11:15 PM - 11:20 PM | 54.5 | 63.9 | -9.4 | 7.0 | 50.5 | - | 63.2 | -17.7 |
| 11:20 PM - 11:25 PM | 57.2 | 63.9 | -6.7 | 7.0 | 53.2 | - | 63.2 | -14.0 |
| 11:25 PM - 11:30 PM | 55.3 | 63.9 | -8.6 | 7.0 | 51.3 | - | 63.2 | -16.9 |
| 11:30 PM - 11:35 PM | 55.2 | 63.9 | -8.7 | 7.0 | 51.2 | - | 63.2 | -17.0 |
| 11:35 PM - 11:40 PM | 55.1 | 63.9 | -8.8 | 7.0 | 51.1 | - | 63.2 | -17.1 |
| 11:40 PM - 11:45 PM | 54.5 | 63.9 | -9.4 | 7.0 | 50.5 | - | 63.2 | -17.7 |
| 11:45 PM - 11:50 PM | 55.0 | 63.9 | -8.9 | 7.0 | 51.0 | - | 63.2 | -17.2 |
| 11:50 PM - 11:55 PM | 55.4 | 63.9 | -8.5 | 7.0 | 51.4 | - | 63.2 | -16.8 |
| 11:55 PM - 12:00 AM | 55.4 | 63.9 | -8.5 | 7.0 | 51.4 | - | 63.2 | -16.8 |
| 12:00 AM - 12:05 AM | 55.5 | 63.9 | -8.4 | 7.0 | 51.5 | - | 63.2 | -16.7 |
| 12:05 AM - 12:10 AM | 54.5 | 63.9 | -9.4 | 7.0 | 50.5 | - | 63.2 | -17.7 |
| 12:10 AM - 12:15 AM | 54.8 | 63.9 | -9.1 | 7.0 | 50.8 | - | 63.2 | -17.4 |
| 12:15 AM - 12:20 AM | 54.6 | 63.9 | -9.3 | 7.0 | 50.6 | - | 63.2 | -17.6 |

The above results are valid only for the specified test conditions as indicated in this report. No part of this report or data may be reproduced in any form without the consent from the Laboratory (ALS Laboratory Group (Thailand)) strongly recommends that this report is not reproduced except in full.

Approved by

Wibab

Wibawan Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498729-1

Page 3 of 3

Sample No. 22135531-8
Parameter เสียงรบกวน
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Nov 11 - 12, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222723

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|-------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 03:40 AM - 03:45 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 | -10.8 |
| 03:45 AM - 03:50 AM | 54.2 | 61.5 | -7.3 | 7.0 | - | 50.2 | 61.0 | -10.8 |
| 03:50 AM - 03:55 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 03:55 AM - 04:00 AM | 54.1 | 61.5 | -7.4 | 7.0 | - | 50.1 | 61.0 | -10.9 |
| 04:00 AM - 04:05 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 04:05 AM - 04:10 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 04:10 AM - 04:15 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 04:15 AM - 04:20 AM | 54.8 | 61.5 | -6.7 | 7.0 | - | 50.8 | 61.0 | -10.2 |
| 04:20 AM - 04:25 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 04:25 AM - 04:30 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 04:30 AM - 04:35 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 04:35 AM - 04:40 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 04:40 AM - 04:45 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 04:45 AM - 04:50 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 04:50 AM - 04:55 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 04:55 AM - 05:00 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 | -10.0 |
| 05:00 AM - 05:05 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 05:05 AM - 05:10 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 05:10 AM - 05:15 AM | 55.8 | 61.5 | -5.7 | 7.0 | - | 51.8 | 61.0 | -9.2 |
| 05:15 AM - 05:20 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 05:20 AM - 05:25 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 05:25 AM - 05:30 AM | 55.4 | 61.5 | -6.1 | 7.0 | - | 51.4 | 61.0 | -9.6 |
| 05:30 AM - 05:35 AM | 55.0 | 61.5 | -6.5 | 7.0 | - | 51.0 | 61.0 | -10.0 |
| 05:35 AM - 05:40 AM | 56.1 | 61.5 | -5.4 | 7.0 | - | 52.1 | 61.0 | -8.9 |
| 05:40 AM - 05:45 AM | 56.6 | 61.5 | -4.9 | 7.0 | - | 52.6 | 61.0 | -8.4 |
| 05:45 AM - 05:50 AM | 56.9 | 61.5 | -4.6 | 7.0 | - | 52.9 | 61.0 | -8.1 |
| 05:50 AM - 05:55 AM | 56.7 | 61.5 | -4.8 | 7.0 | - | 52.7 | 61.0 | -8.3 |
| 05:55 AM - 06:00 AM | 59.4 | 61.5 | -2.1 | 7.0 | 55.4 | 61.0 | -5.6 | |
| 06:00 AM - 07:00 AM | 56.9 | 63.9 | -7.0 | 7.0 | - | 63.2 | -13.3 | |
| 07:00 AM - 08:00 AM | 58.6 | 63.9 | -5.3 | 7.0 | 49.6 | - | 63.2 | -11.6 |
| 08:00 AM - 09:00 AM | 61.3 | 63.9 | -2.6 | 7.0 | 54.3 | - | 63.2 | -9.2 |
| 09:00 AM - 10:00 AM | 57.3 | 63.9 | -6.6 | 7.0 | 50.0 | - | 63.2 | -12.9 |
| ค่าปรับค่าเสียง | | | | | | | | |
| 5.10 | | | | | | | | |



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

TESTING
No.0042
Lot ID: 22135531-10
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498731-1

Sample No. 22135531-10
Parameter เลื่อนกราว
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Nov 13 - 14, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222723

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวน | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|------------|--------|------------|----------------------------|---------|--------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 03:40 AM - 03:45 AM | 55.3 | 61.5 | -6.2 | 7.0 | - | 51.3 | 61.0 | -9.7 |
| 03:45 AM - 03:50 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 03:50 AM - 03:55 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 03:55 AM - 04:00 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 04:00 AM - 04:05 AM | 54.3 | 61.5 | -7.2 | 7.0 | - | 50.3 | 61.0 | -10.7 |
| 04:05 AM - 04:10 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 04:10 AM - 04:15 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 04:15 AM - 04:20 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 04:20 AM - 04:25 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 04:25 AM - 04:30 AM | 54.6 | 61.5 | -6.9 | 7.0 | - | 50.6 | 61.0 | -10.4 |
| 04:30 AM - 04:35 AM | 54.4 | 61.5 | -7.1 | 7.0 | - | 50.4 | 61.0 | -10.6 |
| 04:35 AM - 04:40 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 04:40 AM - 04:45 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 04:45 AM - 04:50 AM | 54.5 | 61.5 | -7.0 | 7.0 | - | 50.5 | 61.0 | -10.5 |
| 04:50 AM - 04:55 AM | 54.7 | 61.5 | -6.8 | 7.0 | - | 50.7 | 61.0 | -10.3 |
| 04:55 AM - 05:00 AM | 55.9 | 61.5 | -5.6 | 7.0 | - | 51.9 | 61.0 | -9.1 |
| 05:00 AM - 05:05 AM | 55.1 | 61.5 | -6.4 | 7.0 | - | 51.1 | 61.0 | -9.9 |
| 05:05 AM - 05:10 AM | 54.9 | 61.5 | -6.6 | 7.0 | - | 50.9 | 61.0 | -10.1 |
| 05:10 AM - 05:15 AM | 55.2 | 61.5 | -6.3 | 7.0 | - | 51.2 | 61.0 | -9.8 |
| 05:15 AM - 05:20 AM | 56.1 | 61.5 | -5.4 | 7.0 | - | 52.1 | 61.0 | -8.9 |
| 05:20 AM - 05:25 AM | 56.2 | 61.5 | -5.3 | 7.0 | - | 52.2 | 61.0 | -8.8 |
| 05:25 AM - 05:30 AM | 56.2 | 61.5 | -5.3 | 7.0 | - | 52.2 | 61.0 | -8.8 |
| 05:30 AM - 05:35 AM | 55.8 | 61.5 | -5.7 | 7.0 | - | 51.8 | 61.0 | -9.2 |
| 05:35 AM - 05:40 AM | 56.0 | 61.5 | -5.5 | 7.0 | - | 52.0 | 61.0 | -9.0 |
| 05:40 AM - 05:45 AM | 58.1 | 61.5 | -3.4 | 7.0 | - | 54.1 | 61.0 | -6.9 |
| 05:45 AM - 05:50 AM | 58.2 | 61.5 | -3.3 | 7.0 | - | 54.2 | 61.0 | -6.8 |
| 05:50 AM - 05:55 AM | 57.4 | 61.5 | -4.1 | 7.0 | - | 53.4 | 61.0 | -7.6 |
| 05:55 AM - 06:00 AM | 61.3 | 61.5 | -0.2 | 7.0 | - | 57.3 | 61.0 | -3.7 |
| 06:00 AM - 07:00 AM | 57.2 | 63.9 | -6.7 | 7.0 | 50.2 | - | 63.2 | -13.0 |
| 07:00 AM - 08:00 AM | 57.3 | 63.9 | -6.6 | 7.0 | 50.3 | - | 63.2 | -12.9 |
| 08:00 AM - 09:00 AM | 59.6 | 63.9 | -4.3 | 7.0 | 52.6 | - | 63.2 | -10.6 |
| 09:00 AM - 10:00 AM | 55.9 | 63.9 | -8.0 | 7.0 | 48.9 | - | 63.2 | -14.3 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

หมายเหตุ

- ผลการทดสอบการวัดเสียงรบกวน เป็นการประเมินเสียงรบกวนและระดับเสียงที่เกินจากค่าการประเมินค่าการรบกวน พ.ศ. 2548
- ผลการทดสอบการวัดเสียงรบกวน เป็นการประเมินเสียงรบกวนและระดับเสียงที่เกินจากค่าการประเมินค่าการรบกวน พ.ศ. 2553
- ผลการทดสอบการวัดเสียงรบกวน เป็นการประเมินเสียงรบกวนและระดับเสียงที่เกินจากค่าการประเมินค่าการรบกวน พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด พิกัดอาคารวัด วันที่ 09-10 พฤศจิกายน 2565

ระดับเสียงพื้นฐานและระดับเสียงรบกวนจากการรบกวน (ผลจากการวัดค่าการรบกวนและระดับเสียงที่เกินจากค่าการประเมินค่าการรบกวน พ.ศ. 2553) วันที่ 07-10 ธันวาคม 2557

Approved by

Wibab.

Wiwann Borriak
Assistant Manager



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

TESTING
No.0042
Lot ID: 22135531-10
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498731-1

Sample No. 22135531-10
Parameter เลื่อนกราว
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Nov 13 - 14, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222723

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวน | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|------------|--------|------------|----------------------------|---------|--------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 10:00 AM - 11:00 AM | 55.3 | 63.9 | -8.6 | 7.0 | - | 48.3 | 63.2 | -14.9 |
| 11:00 AM - 12:00 PM | 54.7 | 63.9 | -9.2 | 7.0 | - | 47.7 | 63.2 | -15.5 |
| 12:00 PM - 01:00 PM | 60.6 | 63.9 | -3.3 | 7.0 | 53.6 | - | 63.2 | -9.6 |
| 01:00 PM - 02:00 PM | 61.2 | 63.9 | -2.7 | 7.0 | 54.2 | - | 63.2 | -9.0 |
| 02:00 PM - 03:00 PM | 59.7 | 63.9 | -4.2 | 7.0 | 52.7 | - | 63.2 | -10.5 |
| 03:00 PM - 04:00 PM | 60.2 | 63.9 | -3.7 | 7.0 | 53.2 | - | 63.2 | -10.0 |
| 04:00 PM - 05:00 PM | 60.5 | 63.9 | -3.4 | 7.0 | 53.5 | - | 63.2 | -9.7 |
| 05:00 PM - 06:00 PM | 60.7 | 63.9 | -3.2 | 7.0 | 53.7 | - | 63.2 | -9.5 |
| 06:00 PM - 07:00 PM | 60.6 | 63.9 | -3.3 | 7.0 | 53.6 | - | 63.2 | -9.6 |
| 07:00 PM - 08:00 PM | 60.6 | 63.9 | -3.3 | 7.0 | 53.6 | - | 63.2 | -9.6 |
| 08:00 PM - 09:00 PM | 60.7 | 63.9 | -3.2 | 7.0 | 53.7 | - | 63.2 | -9.5 |
| 09:00 PM - 10:00 PM | 60.7 | 63.9 | -3.2 | 7.0 | 53.7 | - | 63.2 | -9.5 |
| 10:00 PM - 10:55 PM | 60.9 | 63.9 | -3.0 | 7.0 | - | 56.9 | 61.0 | -4.1 |
| 10:55 PM - 11:00 PM | 60.8 | 63.9 | -3.1 | 7.0 | - | 56.8 | 61.0 | -4.2 |
| 11:00 PM - 11:05 PM | 60.7 | 63.9 | -3.2 | 7.0 | - | 56.7 | 61.0 | -4.3 |
| 11:05 PM - 11:10 PM | 61.1 | 63.9 | -2.8 | 7.0 | - | 57.1 | 61.0 | -3.9 |
| 11:10 PM - 11:15 PM | 60.7 | 63.9 | -3.2 | 7.0 | - | 56.7 | 61.0 | -4.3 |
| 11:15 PM - 11:20 PM | 60.8 | 63.9 | -3.1 | 7.0 | - | 56.8 | 61.0 | -4.2 |
| 11:20 PM - 11:25 PM | 60.6 | 63.9 | -3.3 | 7.0 | - | 56.6 | 61.0 | -4.4 |
| 11:25 PM - 11:30 PM | 60.6 | 63.9 | -3.3 | 7.0 | - | 56.6 | 61.0 | -4.4 |
| 11:30 PM - 11:35 PM | 61.0 | 63.9 | -2.9 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 11:35 PM - 11:40 PM | 61.0 | 63.9 | -2.9 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 11:40 PM - 11:45 PM | 61.0 | 63.9 | -2.9 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 11:45 PM - 11:50 PM | 61.0 | 63.9 | -2.9 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 11:50 PM - 11:55 PM | 61.3 | 63.9 | -2.6 | 7.0 | - | 57.3 | 61.0 | -3.7 |
| 11:55 PM - 12:00 AM | 61.5 | 63.9 | -2.4 | 7.0 | - | 57.5 | 61.0 | -3.5 |
| 12:00 AM - 12:05 AM | 60.7 | 63.9 | -3.2 | 7.0 | - | 56.7 | 61.0 | -4.3 |
| 12:05 AM - 12:10 AM | 60.9 | 63.9 | -3.0 | 7.0 | - | 56.9 | 61.0 | -4.1 |
| 12:10 AM - 12:15 AM | 60.9 | 63.9 | -3.0 | 7.0 | - | 56.9 | 61.0 | -4.1 |
| 12:15 AM - 12:20 AM | 61.0 | 63.9 | -2.9 | 7.0 | - | 57.0 | 61.0 | -4.0 |

Approved by

Wibab.

Wiwann Borriak
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

TESTING
No.0042
Lot ID: 22135531-10
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498731-1

Sample No. 22135531-10
Parameter เลื่อนกราว
Location East Fence (GPS 47P 0731864, 1438230)
Measurement Date Nov 13 - 14, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222723

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวน | ผลต่าง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|------------|--------|------------|----------------------------|---------|--------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 12:20 AM - 12:25 AM | 61.0 | 61.5 | -0.5 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 12:25 AM - 12:30 AM | 60.9 | 61.5 | -0.6 | 7.0 | - | 56.9 | 61.0 | -4.1 |
| 12:30 AM - 12:35 AM | 60.8 | 61.5 | -0.7 | 7.0 | - | 56.8 | 61.0 | -4.2 |
| 12:35 AM - 12:40 AM | 61.1 | 61.5 | -0.4 | 7.0 | - | 57.1 | 61.0 | -3.9 |
| 12:40 AM - 12:45 AM | 60.9 | 61.5 | -0.6 | 7.0 | - | 56.9 | 61.0 | -4.1 |
| 12:45 AM - 12:50 AM | 60.9 | 61.5 | -0.6 | 7.0 | - | 56.9 | 61.0 | -4.1 |
| 12:50 AM - 12:55 AM | 61.0 | 61.5 | -0.5 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 12:55 AM - 01:00 AM | 60.9 | 61.5 | -0.6 | 7.0 | - | 56.9 | 61.0 | -4.1 |
| 01:00 AM - 01:05 AM | 60.9 | 61.5 | -0.6 | 7.0 | - | 56.9 | 61.0 | -4.1 |
| 01:05 AM - 01:10 AM | 61.1 | 61.5 | -0.4 | 7.0 | - | 57.1 | 61.0 | -3.9 |
| 01:10 AM - 01:15 AM | 61.2 | 61.5 | -0.3 | 7.0 | - | 57.2 | 61.0 | -3.8 |
| 01:15 AM - 01:20 AM | 61.1 | 61.5 | -0.4 | 7.0 | - | 57.1 | 61.0 | -3.9 |
| 01:20 AM - 01:25 AM | 61.1 | 61.5 | -0.4 | 7.0 | - | 57.1 | 61.0 | -3.9 |
| 01:25 AM - 01:30 AM | 60.9 | 61.5 | -0.6 | 7.0 | - | 56.9 | 61.0 | -4.1 |
| 01:30 AM - 01:35 AM | 61.0 | 61.5 | -0.5 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 01:35 AM - 01:40 AM | 60.9 | 61.5 | -0.6 | 7.0 | - | 56.9 | 61.0 | -4.1 |
| 01:40 AM - 01:45 AM | 61.1 | 61.5 | -0.4 | 7.0 | - | 57.1 | 61.0 | -3.9 |
| 01:45 AM - 01:50 AM | 61.0 | 61.5 | -0.5 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 01:50 AM - 01:55 AM | 61.0 | 61.5 | -0.5 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 01:55 AM - 02:00 AM | 61.0 | 61.5 | -0.5 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 02:00 AM - 02:05 AM | 61.0 | 61.5 | -0.5 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 02:05 AM - 02:10 AM | 61.1 | 61.5 | -0.4 | 7.0 | - | 57.1 | 61.0 | -3.9 |
| 02:10 AM - 02:15 AM | 61.0 | 61.5 | -0.5 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 02:15 AM - 02:20 AM | 61.0 | 61.5 | -0.5 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 02:20 AM - 02:25 AM | 61.0 | 61.5 | -0.5 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 02:25 AM - 02:30 AM | 61.0 | 61.5 | -0.5 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 02:30 AM - 02:35 AM | 61.1 | 61.5 | -0.4 | 7.0 | - | 57.1 | 61.0 | -3.9 |
| 02:35 AM - 02:40 AM | 61.5 | 61.5 | 0.0 | 7.0 | - | 57.5 | 61.0 | -3.5 |
| 02:40 AM - 02:45 AM | 61.2 | 61.5 | -0.3 | 7.0 | - | 57.2 | 61.0 | -3.8 |
| 02:45 AM - 02:50 AM | 61.1 | 61.5 | -0.4 | 7.0 | - | 57.1 | 61.0 | -3.9 |
| 02:50 AM - 02:55 AM | 61.0 | 61.5 | -0.5 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 02:55 AM - 03:00 AM | 61.3 | 61.5 | -0.2 | 7.0 | - | 57.3 | 61.0 | -3.7 |
| 03:00 AM - 03:05 AM | 61.2 | 61.5 | -0.3 | 7.0 | - | 57.2 | 61.0 | -3.8 |
| 03:05 AM - 03:10 AM | 61.0 | 61.5 | -0.5 | 7.0 | - | 57.0 | 61.0 | -4.0 |
| 03:10 AM - 03:15 AM | 61.1 | 61.5 | -0.4 | 7.0 | - | 57.1 | 61.0 | -3.9 |
| 03:15 AM - 03:20 AM | 61.2 | 61.5 | -0.3 | 7.0 | - | 57.2 | 61.0 | -3.8 |
| 03:20 AM - 03:25 AM | 61.3 | 61.5 | -0.2 | 7.0 | - | 57.3 | 61.0 | -3.7 |
| 03:25 AM - 03:30 AM | 61.2 | 61.5 | -0.3 | 7.0 | - | 57.2 | 61.0 | -3.8 |
| 03:30 AM - 03:35 AM | 61.2 | 61.5 | -0.3 | 7.0 | - | 57.2 | 61.0 | -3.8 |
| 03:35 AM - 03:40 AM | 61.2 | 61.5 | -0.3 | 7.0 | - | 57.2 | 61.0 | -3.8 |

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Approved by

Wibab.

Wiwann Borriak
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo5, Siam Eastern Industrial Park, T. Masyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-QM-22-103
Project Name :
Project Location : Glow SPP11, Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498732-1

Page 1 of 3

Sample No. 22135531-11
Parameter เสียงรบกวน
Location South Fence (GPS 47P 0731721, 1438047)
Measurement Date Nov 09 - 10, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122607

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีกิจกรรม | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|----------------------|------------------|------------|----------------------------|---------|--------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 10:00 AM - 11:00 AM | 65.3 | 64.2 | 1.1 | 7.0 | 58.3 | - | 62.4 | -4.1 |
| 11:00 AM - 12:00 PM | 64.5 | 64.2 | 0.3 | 7.0 | 57.5 | - | 62.4 | -4.9 |
| 12:00 PM - 01:00 PM | 63.8 | 64.2 | -0.4 | 7.0 | 56.8 | - | 62.4 | -5.6 |
| 01:00 PM - 02:00 PM | 65.9 | 64.2 | 1.7 | 4.5 | 61.4 | - | 62.4 | -1.0 |
| 02:00 PM - 03:00 PM | 64.6 | 64.2 | 0.4 | 7.0 | 57.6 | - | 62.4 | -4.8 |
| 03:00 PM - 04:00 PM | 64.6 | 64.2 | 0.4 | 7.0 | 57.6 | - | 62.4 | -4.8 |
| 04:00 PM - 05:00 PM | 64.0 | 64.2 | -0.2 | 7.0 | 57.0 | - | 62.4 | -5.4 |
| 05:00 PM - 06:00 PM | 64.3 | 64.2 | 0.1 | 7.0 | 57.3 | - | 62.4 | -5.1 |
| 06:00 PM - 07:00 PM | 63.8 | 64.2 | -0.4 | 7.0 | 56.8 | - | 62.4 | -5.6 |
| 07:00 PM - 08:00 PM | 64.1 | 64.2 | -0.1 | 7.0 | 57.1 | - | 62.4 | -5.3 |
| 08:00 PM - 09:00 PM | 64.3 | 64.2 | 0.1 | 7.0 | 57.3 | - | 62.4 | -5.1 |
| 09:00 PM - 10:00 PM | 63.5 | 64.2 | -0.7 | 7.0 | 56.5 | - | 62.4 | -5.9 |
| 10:00 PM - 10:05 PM | 63.4 | 63.9 | -0.5 | 7.0 | - | 59.4 | 62.7 | -3.3 |
| 10:05 PM - 10:10 PM | 63.4 | 63.9 | -0.5 | 7.0 | - | 59.4 | 62.7 | -3.3 |
| 10:10 PM - 10:15 PM | 63.6 | 63.9 | -0.3 | 7.0 | - | 59.6 | 62.7 | -3.1 |
| 10:15 PM - 10:20 PM | 63.7 | 63.9 | -0.2 | 7.0 | - | 59.7 | 62.7 | -3.0 |
| 10:20 PM - 10:25 PM | 63.3 | 63.9 | -0.6 | 7.0 | - | 59.3 | 62.7 | -3.4 |
| 10:25 PM - 10:30 PM | 63.3 | 63.9 | -0.6 | 7.0 | - | 59.3 | 62.7 | -3.4 |
| 10:30 PM - 10:35 PM | 63.2 | 63.9 | -0.7 | 7.0 | - | 59.2 | 62.7 | -3.5 |
| 10:35 PM - 10:40 PM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 10:40 PM - 10:45 PM | 65.6 | 63.9 | 1.7 | 4.5 | - | 64.1 | 62.7 | 1.4 |
| 10:45 PM - 10:50 PM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.0 | 62.7 | -1.7 |
| 10:50 PM - 10:55 PM | 63.6 | 63.9 | -0.3 | 7.0 | - | 59.6 | 62.7 | -3.1 |
| 10:55 PM - 11:00 PM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 11:00 PM - 11:05 PM | 64.0 | 63.9 | 0.1 | 7.0 | - | 60.0 | 62.7 | -2.7 |
| 11:05 PM - 11:10 PM | 63.2 | 63.9 | -0.7 | 7.0 | - | 59.2 | 62.7 | -3.5 |
| 11:10 PM - 11:15 PM | 62.4 | 63.9 | -1.5 | 7.0 | - | 58.4 | 62.7 | -4.3 |
| 11:15 PM - 11:20 PM | 62.2 | 63.9 | -1.7 | 7.0 | - | 58.2 | 62.7 | -4.5 |
| 11:20 PM - 11:25 PM | 62.3 | 63.9 | -1.6 | 7.0 | - | 58.3 | 62.7 | -4.4 |
| 11:25 PM - 11:30 PM | 62.4 | 63.9 | -1.5 | 7.0 | - | 58.4 | 62.7 | -4.3 |
| 11:30 PM - 11:35 PM | 62.4 | 63.9 | -1.5 | 7.0 | - | 58.4 | 62.7 | -4.3 |
| 11:35 PM - 11:40 PM | 62.3 | 63.9 | -1.6 | 7.0 | - | 58.3 | 62.7 | -4.4 |
| 11:40 PM - 11:45 PM | 62.4 | 63.9 | -1.5 | 7.0 | - | 58.4 | 62.7 | -4.3 |
| 11:45 PM - 11:50 PM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 11:50 PM - 11:55 PM | 62.4 | 63.9 | -1.5 | 7.0 | - | 58.4 | 62.7 | -4.3 |
| 11:55 PM - 12:00 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 12:00 AM - 12:05 AM | 63.9 | 63.9 | 0.0 | 7.0 | - | 59.9 | 62.7 | -2.8 |
| 12:05 AM - 12:10 AM | 63.6 | 63.9 | -0.3 | 7.0 | - | 59.6 | 62.7 | -3.1 |
| 12:10 AM - 12:15 AM | 63.5 | 63.9 | -0.4 | 7.0 | - | 59.5 | 62.7 | -3.2 |
| 12:15 AM - 12:20 AM | 64.3 | 63.9 | 0.4 | 7.0 | - | 60.3 | 62.7 | -2.4 |

The above results are valid only for the area and test method(s) as indicated in this report. For the part of the report or certificate may be reproduced in any form without written consent from the Laboratory. A Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibb.
Wiwann Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Muen Kru A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo5, Siam Eastern Industrial Park, T. Masyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-QM-22-103
Project Name :
Project Location : Glow SPP11, Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498732-1

Page 1 of 3

Sample No. 22135531-11
Parameter เสียงรบกวน
Location South Fence (GPS 47P 0731721, 1438047)
Measurement Date Nov 09 - 10, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122607

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีกิจกรรม | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|----------------------|------------------|------------|----------------------------|---------|--------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 03:40 AM - 03:45 AM | 64.6 | 63.9 | 0.7 | 7.0 | - | 60.6 | 62.7 | -2.1 |
| 03:45 AM - 03:50 AM | 64.4 | 63.9 | 0.5 | 7.0 | - | 60.4 | 62.7 | -2.3 |
| 03:50 AM - 03:55 AM | 63.6 | 63.9 | -0.3 | 7.0 | - | 59.2 | 62.7 | -3.5 |
| 03:55 AM - 04:00 PM | 63.2 | 63.9 | -0.7 | 7.0 | - | 58.2 | 62.7 | -4.5 |
| 04:00 AM - 04:05 AM | 63.2 | 63.9 | -0.7 | 7.0 | - | 58.2 | 62.7 | -4.5 |
| 04:05 AM - 04:10 AM | 63.3 | 63.9 | -0.6 | 7.0 | - | 59.3 | 62.7 | -3.4 |
| 04:10 AM - 04:15 AM | 63.4 | 63.9 | -0.5 | 7.0 | - | 58.4 | 62.7 | -4.3 |
| 04:15 AM - 04:20 AM | 63.3 | 63.9 | -0.6 | 7.0 | - | 59.3 | 62.7 | -3.4 |
| 04:20 AM - 04:25 AM | 64.1 | 63.9 | 0.2 | 7.0 | - | 60.1 | 62.7 | -2.6 |
| 04:25 AM - 04:30 AM | 63.9 | 63.9 | 0.0 | 7.0 | - | 59.9 | 62.7 | -2.8 |
| 04:30 AM - 04:35 AM | 64.0 | 63.9 | 0.1 | 7.0 | - | 60.0 | 62.7 | -2.7 |
| 04:35 AM - 04:40 AM | 64.1 | 63.9 | 0.2 | 7.0 | - | 60.1 | 62.7 | -2.6 |
| 04:40 AM - 04:45 AM | 63.9 | 63.9 | 0.0 | 7.0 | - | 59.9 | 62.7 | -2.8 |
| 04:45 AM - 04:50 AM | 64.1 | 63.9 | 0.2 | 7.0 | - | 60.1 | 62.7 | -2.6 |
| 04:50 AM - 04:55 AM | 64.5 | 63.9 | 0.6 | 7.0 | - | 60.5 | 62.7 | -2.2 |
| 04:55 AM - 05:00 AM | 64.0 | 63.9 | 0.1 | 7.0 | - | 60.0 | 62.7 | -2.7 |
| 05:00 AM - 05:05 AM | 63.9 | 63.9 | 0.0 | 7.0 | - | 59.9 | 62.7 | -2.8 |
| 05:05 AM - 05:10 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 05:10 AM - 05:15 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.0 | 62.7 | -1.7 |
| 05:15 AM - 05:20 AM | 64.5 | 63.9 | 0.6 | 7.0 | - | 60.5 | 62.7 | -2.2 |
| 05:20 AM - 05:25 AM | 64.6 | 63.9 | 0.7 | 7.0 | - | 60.6 | 62.7 | -2.1 |
| 05:25 AM - 05:30 AM | 63.8 | 63.9 | -0.1 | 7.0 | - | 59.8 | 62.7 | -2.9 |
| 05:30 AM - 05:35 AM | 64.3 | 63.9 | 0.4 | 7.0 | - | 60.3 | 62.7 | -2.4 |
| 05:35 AM - 05:40 AM | 64.4 | 63.9 | 0.5 | 7.0 | - | 60.4 | 62.7 | -2.3 |
| 05:40 AM - 05:45 AM | 64.4 | 63.9 | 0.5 | 7.0 | - | 60.4 | 62.7 | -2.3 |
| 05:45 AM - 05:50 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 05:50 AM - 05:55 AM | 64.3 | 63.9 | 0.4 | 7.0 | - | 60.3 | 62.7 | -2.4 |
| 05:55 AM - 06:00 AM | 64.2 | 63.9 | 0.3 | 7.0 | - | 60.2 | 62.7 | -2.5 |
| 06:00 AM - 07:00 AM | 63.8 | 64.2 | -0.4 | 7.0 | 56.8 | - | 62.4 | -5.6 |
| 07:00 AM - 08:00 AM | 64.3 | 64.2 | 0.1 | 7.0 | 57.3 | - | 62.4 | -5.1 |
| 08:00 AM - 09:00 AM | 64.7 | 64.2 | 0.5 | 7.0 | 57.7 | - | 62.4 | -4.7 |
| 09:00 AM - 10:00 AM | 63.8 | 64.2 | -0.4 | 7.0 | 56.8 | - | 62.4 | -5.6 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ
1. ผลการตรวจวัดค่าเสียงรบกวน ณ บริเวณทางข้ามสะพานข้ามถนนและบริเวณเสียงดังจากกิจกรรมการประกอบกิจการโรงงาน พ.ศ. 2558
 2. ผลการตรวจวัดค่าเสียงรบกวน ณ บริเวณทางข้ามสะพานข้ามถนนและบริเวณเสียงดังจากกิจกรรมการประกอบกิจการโรงงาน พ.ศ. 2553
 3. ผลการตรวจวัดค่าเสียงรบกวน ณ บริเวณทางข้ามสะพานข้ามถนนและบริเวณเสียงดังจากกิจกรรมการประกอบกิจการโรงงาน พ.ศ. 2561
- ระดับเสียงมาตรฐานตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ (EPA) พ.ศ. 2557 ในตาราง 07-10 ตาราง 2557)

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Approved by

Wibb.
Wiwann Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Muen Kru A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo5, Siam Eastern Industrial Park, T. Masyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-QM-22-103
Project Name :
Project Location : Glow SPP11, Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498732-1

Page 2 of 3

Sample No. 22135531-11
Parameter เสียงรบกวน
Location South Fence (GPS 47P 0731721, 1438047)
Measurement Date Nov 09 - 10, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122607

| จากสมการ (dB(A)) | | | | | | | | |
|---------------------|---------------------|----------------------|------------------|------------|--------------------------------------|---------|--------------|------------------|
| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีกิจกรรม | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิดตามค่าปรับ | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
| | | | | | ค่าจริง | ค่าปรับ | | |
| 12:20 AM - 12:25 AM | 63.9 | 63.9 | 0.0 | 7.0 | - | 59.9 | 62.7 | -2.8 |
| 12:25 AM - 12:30 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 12:30 AM - 12:35 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 12:35 AM - 12:40 AM | 63.9 | 63.9 | 0.0 | 7.0 | - | 59.9 | 62.7 | -2.8 |
| 12:40 AM - 12:45 AM | 63.5 | 63.9 | -0.4 | 7.0 | - | 59.5 | 62.7 | -3.2 |
| 12:45 AM - 12:50 AM | 64.3 | 63.9 | 0.4 | 7.0 | - | 60.3 | 62.7 | -2.4 |
| 12:50 AM - 12:55 AM | 64.6 | 63.9 | 0.7 | 7.0 | - | 60.6 | 62.7 | -2.1 |
| 12:55 AM - 01:00 AM | 63.7 | 63.9 | -0.2 | 7.0 | - | 59.7 | 62.7 | -3.0 |
| 01:00 AM - 01:05 AM | 63.7 | 63.9 | -0.2 | 7.0 | - | 59.7 | 62.7 | -3.0 |
| 01:05 AM - 01:10 AM | 63.7 | 63.9 | -0.2 | 7.0 | - | 59.7 | 62.7 | -3.0 |
| 01:10 AM - 01:15 AM | 63.2 | 63.9 | -0.7 | 7.0 | - | 59.2 | 62.7 | -3.5 |
| 01:15 AM - 01:20 AM | 63.3 | 63.9 | -0.6 | 7.0 | - | 59.3 | 62.7 | -3.4 |
| 01:20 AM - 01:25 AM | 63.2 | 63.9 | -0.7 | 7.0 | - | 59.2 | 62.7 | -3.5 |
| 01:25 AM - 01:30 AM | 63.3 | 63.9 | -0.6 | 7.0 | - | 59.3 | 62.7 | -3.4 |
| 01:30 AM - 01:35 AM | 63.2 | 63.9 | -0.7 | 7.0 | - | 59.2 | 62.7 | -3.5 |
| 01:35 AM - 01:40 AM | 63.2 | 63.9 | -0.7 | 7.0 | - | 59.2 | 62.7 | -3.5 |
| 01:40 AM - 01:45 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 01:45 AM - 01:50 AM | 63.8 | 63.9 | -0.1 | 7.0 | - | 59.8 | 62.7 | -2.9 |
| 01:50 AM - 01:55 AM | 63.9 | 63.9 | 0.0 | 7.0 | - | 59.9 | 62.7 | -2.8 |
| 01:55 AM - 02:00 AM | 63.9 | 63.9 | 0.0 | 7.0 | - | 59.9 | 62.7 | -2.8 |
| 02:00 AM - 02:05 AM | 63.6 | 63.9 | -0.3 | 7.0 | - | 59.6 | 62.7 | -3.1 |
| 02:05 AM - 02:10 AM | 63.4 | 63.9 | -0.5 | 7.0 | - | 59.4 | 62.7 | -3.3 |
| 02:10 AM - 02:15 AM | 63.1 | 63.9 | -0.8 | 7.0 | - | 59.1 | 62.7 | -3.6 |
| 02:15 AM - 02:20 AM | 63.3 | 63.9 | -0.6 | 7.0 | - | 59.3 | 62.7 | -3.4 |
| 02:20 AM - 02:25 AM | 64.0 | 63.9 | 0.1 | 7.0 | - | 60.0 | 62.7 | -2.7 |
| 02:25 AM - 02:30 AM | 64.3 | 63.9 | 0.4 | 7.0 | - | 60.3 | 62.7 | -2.4 |
| 02:30 AM - 02:35 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 02:35 AM - 02:40 AM | 65.0 | 63.9 | 1.1 | 7.0 | - | 61.0 | 62.7 | -1.7 |
| 02:40 AM - 02:45 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 02:45 AM - 02:50 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 02:50 AM - 02:55 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |
| 02:55 AM - 03:00 AM | 64.8 | 63.9 | 0.9 | 7.0 | - | 60.8 | 62.7 | -1.9 |
| 03:00 AM - 03:05 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 03:05 AM - 03:10 AM | 64.2 | 63.9 | 0.3 | 7.0 | - | 60.2 | 62.7 | -2.5 |
| 03:10 AM - 03:15 AM | 63.9 | 63.9 | 0.0 | 7.0 | - | 59.9 | 62.7 | -2.8 |
| 03:15 AM - 03:20 AM | 63.7 | 63.9 | -0.2 | 7.0 | - | 59.7 | 62.7 | -3.0 |
| 03:20 AM - 03:25 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 03:25 AM - 03:30 AM | 64.8 | 63.9 | 0.9 | 7.0 | - | 60.8 | 62.7 | -1.9 |
| 03:30 AM - 03:35 AM | 64.7 | 63.9 | 0.8 | 7.0 | - | 60.7 | 62.7 | -2.0 |
| 03:35 AM - 03:40 AM | 64.9 | 63.9 | 1.0 | 7.0 | - | 60.9 | 62.7 | -1.8 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531-12
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498733-1

Sample No. 22135531-12
Parameter เสียงรบกวน
Location South Fence (GPS 47P 0731721, 1438047)
Measurement Date Nov 10 - 11, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122607

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐานการรบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|---------------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 12:20 AM - 12:25 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 12:25 AM - 12:30 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 12:30 AM - 12:35 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 12:35 AM - 12:40 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 12:40 AM - 12:45 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 12:45 AM - 12:50 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 12:50 AM - 12:55 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 12:55 AM - 01:00 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 01:00 AM - 01:05 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 01:05 AM - 01:10 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 01:10 AM - 01:15 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 01:15 AM - 01:20 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 01:20 AM - 01:25 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 01:25 AM - 01:30 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 01:30 AM - 01:35 AM | 62.4 | 63.9 | -1.5 | 7.0 | - | 58.4 | 62.7 | -4.3 |
| 01:35 AM - 01:40 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 01:40 AM - 01:45 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 01:45 AM - 01:50 AM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 01:50 AM - 01:55 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 01:55 AM - 02:00 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 02:00 AM - 02:05 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 02:05 AM - 02:10 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 02:10 AM - 02:15 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 02:15 AM - 02:20 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 02:20 AM - 02:25 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 02:25 AM - 02:30 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 02:30 AM - 02:35 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 02:35 AM - 02:40 AM | 62.3 | 63.9 | -1.6 | 7.0 | - | 58.3 | 62.7 | -4.4 |
| 02:40 AM - 02:45 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 02:45 AM - 02:50 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 02:50 AM - 02:55 AM | 62.2 | 63.9 | -1.7 | 7.0 | - | 58.2 | 62.7 | -4.5 |
| 02:55 AM - 03:00 AM | 62.3 | 63.9 | -1.6 | 7.0 | - | 58.3 | 62.7 | -4.4 |
| 03:00 AM - 03:05 AM | 62.1 | 63.9 | -1.8 | 7.0 | - | 58.1 | 62.7 | -4.6 |
| 03:05 AM - 03:10 AM | 62.1 | 63.9 | -1.8 | 7.0 | - | 58.1 | 62.7 | -4.6 |
| 03:10 AM - 03:15 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 03:15 AM - 03:20 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 03:20 AM - 03:25 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 03:25 AM - 03:30 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 03:30 AM - 03:35 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 03:35 AM - 03:40 AM | 63.3 | 63.9 | -0.6 | 7.0 | - | 59.3 | 62.7 | -3.4 |

The above results are valid only for the analyzed test sample(s) as indicated in this report. For part of the report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) Ltd. strongly recommends that this report is not reproduced except in full.

Approved by

Wibab.
Wiboran Borik
Assistant Manager

ADDRESS 616/10 Moo 5 : T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand : PHONE +66 0 3304 8555 : FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531-12
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498733-1

Sample No. 22135531-12
Parameter เสียงรบกวน
Location South Fence (GPS 47P 0731721, 1438047)
Measurement Date Nov 10 - 11, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122607

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐานการรบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|---------------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 03:40 AM - 03:45 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 03:45 AM - 03:50 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 03:50 AM - 03:55 AM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 03:55 AM - 04:00 AM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 04:00 AM - 04:05 AM | 62.4 | 63.9 | -1.5 | 7.0 | - | 58.4 | 62.7 | -4.3 |
| 04:05 AM - 04:10 AM | 62.3 | 63.9 | -1.6 | 7.0 | - | 58.3 | 62.7 | -4.4 |
| 04:10 AM - 04:15 AM | 62.5 | 63.9 | -1.5 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 04:15 AM - 04:20 AM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 04:20 AM - 04:25 AM | 62.3 | 63.9 | -1.6 | 7.0 | - | 58.3 | 62.7 | -4.4 |
| 04:25 AM - 04:30 AM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 04:30 AM - 04:35 AM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 04:35 AM - 04:40 AM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 04:40 AM - 04:45 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 04:45 AM - 04:50 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 04:50 AM - 04:55 AM | 62.2 | 63.9 | -1.7 | 7.0 | - | 58.2 | 62.7 | -4.5 |
| 04:55 AM - 05:00 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 05:00 AM - 05:05 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 05:05 AM - 05:10 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 05:10 AM - 05:15 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 05:15 AM - 05:20 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 05:20 AM - 05:25 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 05:25 AM - 05:30 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 05:30 AM - 05:35 AM | 62.3 | 63.9 | -1.6 | 7.0 | - | 58.3 | 62.7 | -4.4 |
| 05:35 AM - 05:40 AM | 62.2 | 63.9 | -1.7 | 7.0 | - | 58.2 | 62.7 | -4.5 |
| 05:40 AM - 05:45 AM | 62.1 | 63.9 | -1.8 | 7.0 | - | 58.1 | 62.7 | -4.6 |
| 05:45 AM - 05:50 AM | 62.4 | 63.9 | -1.5 | 7.0 | - | 58.4 | 62.7 | -4.3 |
| 05:50 AM - 05:55 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 05:55 AM - 06:00 AM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 06:00 AM - 07:00 AM | 62.8 | 64.2 | -1.4 | 7.0 | 55.8 | - | 62.4 | -6.6 |
| 07:00 AM - 08:00 AM | 62.3 | 64.2 | -1.9 | 7.0 | 55.3 | - | 62.4 | -7.1 |
| 08:00 AM - 09:00 AM | 62.5 | 64.2 | -1.7 | 7.0 | 55.5 | - | 62.4 | -6.9 |
| 09:00 AM - 10:00 AM | 62.9 | 64.2 | -1.3 | 7.0 | 55.9 | - | 62.4 | -6.5 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

หมายเหตุ

1. ประกาศกระทรวงมหาดไทย เรื่อง การควบคุมเสียงรบกวนและระดับเสียงที่ส่งผลกระทบต่อสุขภาพ พ.ศ. 2548
2. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่ส่งผลกระทบต่อสุขภาพ พ.ศ. 2553
3. ประกาศกระทรวงมหาดไทย เรื่อง ค่ามาตรฐานระดับเสียงรบกวนที่ส่งผลกระทบต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด พิกัดกรวด 09-10 หน่วยกรวด 2565
ระดับเสียงที่ฐานการรบกวน (ข้อมูลการรายงานการรบกวนบนแผนที่เสียง) (EIA) พ.ศ. 2557 สูตรกรวด 07-10 หน่วยกรวด 2557

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Approved by

Wibab.
Wiboran Borik
Assistant Manager

ADDRESS 616/10 Moo 5 : T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand : PHONE +66 0 3304 8555 : FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531-13
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498734-1

Sample No. 22135531-13
Parameter เสียงรบกวน
Location South Fence (GPS 47P 0731721, 1438047)
Measurement Date Nov 11 - 12, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122607

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐานการรบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|---------------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 10:00 AM - 11:00 AM | 62.8 | 64.2 | -1.4 | 7.0 | 55.8 | - | 62.4 | -6.6 |
| 11:00 AM - 12:00 PM | 62.6 | 64.2 | -1.6 | 7.0 | 55.6 | - | 62.4 | -6.8 |
| 12:00 PM - 01:00 PM | 63.1 | 64.2 | -0.9 | 7.0 | 58.1 | - | 62.4 | -4.3 |
| 01:00 PM - 02:00 PM | 63.7 | 64.2 | -0.5 | 7.0 | 56.7 | - | 62.4 | -5.7 |
| 02:00 PM - 03:00 PM | 63.1 | 64.2 | -1.1 | 7.0 | 56.1 | - | 62.4 | -6.3 |
| 03:00 PM - 04:00 PM | 63.0 | 64.2 | -1.2 | 7.0 | 56.0 | - | 62.4 | -6.4 |
| 04:00 PM - 05:00 PM | 63.1 | 64.2 | -1.1 | 7.0 | 56.1 | - | 62.4 | -6.3 |
| 05:00 PM - 06:00 PM | 63.0 | 64.2 | -1.2 | 7.0 | 56.0 | - | 62.4 | -6.4 |
| 06:00 PM - 07:00 PM | 63.4 | 64.2 | -0.8 | 7.0 | 56.4 | - | 62.4 | -6.0 |
| 07:00 PM - 08:00 PM | 63.0 | 64.2 | -1.2 | 7.0 | 56.0 | - | 62.4 | -6.4 |
| 08:00 PM - 09:00 PM | 63.4 | 64.2 | -0.8 | 7.0 | 56.4 | - | 62.4 | -6.0 |
| 09:00 PM - 10:00 PM | 62.7 | 64.2 | -1.5 | 7.0 | 55.7 | - | 62.4 | -6.7 |
| 10:00 PM - 10:05 PM | 62.3 | 63.9 | -1.6 | 7.0 | - | 58.3 | 62.7 | -4.4 |
| 10:05 PM - 10:10 PM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 10:10 PM - 10:15 PM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 10:15 PM - 10:20 PM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 10:20 PM - 10:25 PM | 62.2 | 63.9 | -1.7 | 7.0 | - | 58.2 | 62.7 | -4.5 |
| 10:25 PM - 10:30 PM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 10:30 PM - 10:35 PM | 63.7 | 63.9 | -0.2 | 7.0 | - | 59.7 | 62.7 | -3.0 |
| 10:35 PM - 10:40 PM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 10:40 PM - 10:45 PM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 10:45 PM - 10:50 PM | 61.6 | 63.9 | -2.3 | 7.0 | - | 57.6 | 62.7 | -5.1 |
| 10:50 PM - 10:55 PM | 61.2 | 63.9 | -2.7 | 7.0 | - | 57.2 | 62.7 | -5.5 |
| 10:55 PM - 11:00 PM | 61.6 | 63.9 | -2.3 | 7.0 | - | 57.6 | 62.7 | -5.1 |
| 11:00 PM - 11:05 PM | 61.6 | 63.9 | -2.3 | 7.0 | - | 57.6 | 62.7 | -5.1 |
| 11:05 PM - 11:10 PM | 61.6 | 63.9 | -2.3 | 7.0 | - | 57.6 | 62.7 | -5.1 |
| 11:10 PM - 11:15 PM | 61.8 | 63.9 | -2.1 | 7.0 | - | 57.8 | 62.7 | -4.9 |
| 11:15 PM - 11:20 PM | 61.7 | 63.9 | -2.2 | 7.0 | - | 57.7 | 62.7 | -5.0 |
| 11:20 PM - 11:25 PM | 61.6 | 63.9 | -2.3 | 7.0 | - | 57.6 | 62.7 | -5.1 |
| 11:25 PM - 11:30 PM | 61.7 | 63.9 | -2.2 | 7.0 | - | 57.7 | 62.7 | -5.0 |
| 11:30 PM - 11:35 PM | 61.7 | 63.9 | -2.2 | 7.0 | - | 57.7 | 62.7 | -5.0 |
| 11:35 PM - 11:40 PM | 61.9 | 63.9 | -2.0 | 7.0 | - | 57.9 | 62.7 | -4.8 |
| 11:40 PM - 11:45 PM | 61.9 | 63.9 | -2.0 | 7.0 | - | 57.9 | 62.7 | -4.8 |
| 11:45 PM - 11:50 PM | 62.0 | 63.9 | -1.9 | 7.0 | - | 58.0 | 62.7 | -4.7 |
| 11:50 PM - 11:55 PM | 62.1 | 63.9 | -1.8 | 7.0 | - | 58.1 | 62.7 | -4.6 |
| 11:55 PM - 12:00 AM | 62.2 | 63.9 | -1.7 | 7.0 | - | 58.2 | 62.7 | -4.5 |
| 12:00 AM - 12:05 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 12:05 AM - 12:10 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 12:10 AM - 12:15 AM | 62.4 | 63.9 | -1.5 | 7.0 | - | 58.4 | 62.7 | -4.3 |



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 5, Siam Eastern Industrial Park, T. Mampangphong, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1



TESTING
No.0042

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498734-1

Page 1 of 3

Sample No. 22135531-13
Parameter เสียงรบกวน
Location South Fence (GPS 47P 0731721, 1438047)
Measurement Date Nov 11 - 12, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122607

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|--------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | |
| 03:40 AM - 03:45 AM | 61.9 | 63.9 | -2.0 | 7.0 | 57.9 | 62.7 | -4.8 |
| 03:45 AM - 03:50 AM | 62.1 | 63.9 | -1.8 | 7.0 | 58.1 | 62.7 | -4.6 |
| 03:50 AM - 03:55 AM | 62.3 | 63.9 | -1.6 | 7.0 | 58.3 | 62.7 | -4.4 |
| 03:55 AM - 04:00 AM | 62.1 | 63.9 | -1.8 | 7.0 | 58.1 | 62.7 | -4.6 |
| 04:00 AM - 04:05 AM | 62.2 | 63.9 | -1.7 | 7.0 | 58.2 | 62.7 | -4.5 |
| 04:05 AM - 04:10 AM | 62.4 | 63.9 | -1.5 | 7.0 | 58.4 | 62.7 | -4.3 |
| 04:10 AM - 04:15 AM | 62.4 | 63.9 | -1.5 | 7.0 | 58.4 | 62.7 | -4.3 |
| 04:15 AM - 04:20 AM | 62.5 | 63.9 | -1.4 | 7.0 | 58.5 | 62.7 | -4.2 |
| 04:20 AM - 04:25 AM | 62.7 | 63.9 | -1.2 | 7.0 | 58.7 | 62.7 | -4.0 |
| 04:25 AM - 04:30 AM | 62.5 | 63.9 | -1.4 | 7.0 | 58.5 | 62.7 | -4.2 |
| 04:30 AM - 04:35 AM | 62.4 | 63.9 | -1.5 | 7.0 | 58.4 | 62.7 | -4.3 |
| 04:35 AM - 04:40 AM | 62.5 | 63.9 | -1.4 | 7.0 | 58.5 | 62.7 | -4.2 |
| 04:40 AM - 04:45 AM | 62.5 | 63.9 | -1.4 | 7.0 | 58.5 | 62.7 | -4.2 |
| 04:45 AM - 04:50 AM | 62.6 | 63.9 | -1.3 | 7.0 | 58.6 | 62.7 | -4.1 |
| 04:50 AM - 04:55 AM | 62.5 | 63.9 | -1.4 | 7.0 | 58.5 | 62.7 | -4.2 |
| 04:55 AM - 05:00 AM | 62.5 | 63.9 | -1.4 | 7.0 | 58.5 | 62.7 | -4.2 |
| 05:00 AM - 05:05 AM | 62.9 | 63.9 | -1.0 | 7.0 | 58.9 | 62.7 | -3.8 |
| 05:05 AM - 05:10 AM | 62.5 | 63.9 | -1.4 | 7.0 | 58.5 | 62.7 | -4.2 |
| 05:10 AM - 05:15 AM | 62.6 | 63.9 | -1.3 | 7.0 | 58.6 | 62.7 | -4.1 |
| 05:15 AM - 05:20 AM | 62.4 | 63.9 | -1.5 | 7.0 | 58.4 | 62.7 | -4.3 |
| 05:20 AM - 05:25 AM | 62.4 | 63.9 | -1.5 | 7.0 | 58.4 | 62.7 | -4.3 |
| 05:25 AM - 05:30 AM | 62.9 | 63.9 | -1.0 | 7.0 | 58.9 | 62.7 | -3.8 |
| 05:30 AM - 05:35 AM | 62.6 | 63.9 | -1.3 | 7.0 | 58.6 | 62.7 | -4.1 |
| 05:35 AM - 05:40 AM | 62.4 | 63.9 | -1.5 | 7.0 | 58.4 | 62.7 | -4.3 |
| 05:40 AM - 05:45 AM | 61.9 | 63.9 | -2.0 | 7.0 | 57.9 | 62.7 | -4.8 |
| 05:45 AM - 05:50 AM | 62.2 | 63.9 | -1.7 | 7.0 | 58.2 | 62.7 | -4.5 |
| 05:50 AM - 05:55 AM | 62.3 | 63.9 | -1.6 | 7.0 | 58.3 | 62.7 | -4.4 |
| 05:55 AM - 06:00 AM | 62.4 | 63.9 | -1.5 | 7.0 | 58.4 | 62.7 | -4.3 |
| 06:00 AM - 07:00 AM | 63.0 | 64.2 | -1.2 | 7.0 | 56.0 | 62.4 | -6.4 |
| 07:00 AM - 08:00 AM | 62.5 | 64.2 | -1.7 | 7.0 | 55.5 | 62.4 | -6.9 |
| 08:00 AM - 09:00 AM | 62.2 | 64.2 | -2.0 | 7.0 | 55.2 | 62.4 | -7.2 |
| 09:00 AM - 10:00 AM | 62.3 | 64.2 | -1.9 | 7.0 | 55.3 | 62.4 | -7.1 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

หมายเหตุ

1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่คาดการณ์จากประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่คาดการณ์จากประกอบกิจการโรงงาน พ.ศ. 2553
3. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่คาดการณ์จากประกอบกิจการโรงงาน พ.ศ. 2561

ระดับเสียงรบกวนจากตัวอาคารตรวจวัด วันที่ 09-10 พฤศจิกายน 2565

ระดับเสียงรบกวนและระดับเสียงขณะไม่มีการรบกวน (ข้อมูลจากการตรวจวัดจากแหล่งรบกวนเสียงเฉลี่ย (EIA) พ.ศ. 2557 สูตรตรวจวัด 07-10 มิถุนายน 2557)

Approved by

WibB.

Wiwann Borikak
Assistant Manager

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ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO. LTD. An ALS Limited Company

Life Sciences

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 5, Siam Eastern Industrial Park, T. Mampangphong, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1



TESTING
No.0042

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498735-1

Page 2 of 3

Sample No. 22135531-14
Parameter เสียงรบกวน
Location South Fence (GPS 47P 0731721, 1438047)
Measurement Date Nov 12 - 13, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122607

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|--------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | |
| 12:20 AM - 12:25 AM | 62.3 | 63.9 | -1.6 | 7.0 | 58.3 | 62.7 | -4.4 |
| 12:25 AM - 12:30 AM | 62.3 | 63.9 | -1.6 | 7.0 | 58.3 | 62.7 | -4.4 |
| 12:30 AM - 12:35 AM | 62.4 | 63.9 | -1.5 | 7.0 | 58.4 | 62.7 | -4.3 |
| 12:35 AM - 12:40 AM | 62.5 | 63.9 | -1.4 | 7.0 | 58.5 | 62.7 | -4.2 |
| 12:40 AM - 12:45 AM | 62.8 | 63.9 | -1.1 | 7.0 | 58.8 | 62.7 | -3.9 |
| 12:45 AM - 12:50 AM | 62.8 | 63.9 | -1.1 | 7.0 | 58.8 | 62.7 | -3.9 |
| 12:50 AM - 12:55 AM | 62.6 | 63.9 | -1.3 | 7.0 | 58.6 | 62.7 | -4.1 |
| 12:55 AM - 01:00 AM | 62.6 | 63.9 | -1.3 | 7.0 | 58.6 | 62.7 | -4.1 |
| 01:00 AM - 01:05 AM | 62.8 | 63.9 | -1.1 | 7.0 | 58.8 | 62.7 | -3.9 |
| 01:05 AM - 01:10 AM | 62.8 | 63.9 | -1.1 | 7.0 | 58.8 | 62.7 | -3.9 |
| 01:10 AM - 01:15 AM | 62.6 | 63.9 | -1.3 | 7.0 | 58.6 | 62.7 | -4.1 |
| 01:15 AM - 01:20 AM | 62.8 | 63.9 | -1.1 | 7.0 | 58.8 | 62.7 | -3.9 |
| 01:20 AM - 01:25 AM | 63.0 | 63.9 | -0.9 | 7.0 | 59.0 | 62.7 | -3.7 |
| 01:25 AM - 01:30 AM | 62.9 | 63.9 | -1.0 | 7.0 | 58.9 | 62.7 | -3.8 |
| 01:30 AM - 01:35 AM | 62.8 | 63.9 | -1.1 | 7.0 | 58.8 | 62.7 | -3.9 |
| 01:35 AM - 01:40 AM | 63.0 | 63.9 | -0.9 | 7.0 | 59.0 | 62.7 | -3.7 |
| 01:40 AM - 01:45 AM | 63.1 | 63.9 | -0.8 | 7.0 | 59.1 | 62.7 | -3.6 |
| 01:45 AM - 01:50 AM | 63.0 | 63.9 | -0.9 | 7.0 | 59.0 | 62.7 | -3.8 |
| 01:50 AM - 01:55 AM | 63.2 | 63.9 | -0.7 | 7.0 | 59.2 | 62.7 | -3.5 |
| 01:55 AM - 02:00 AM | 63.0 | 63.9 | -0.9 | 7.0 | 59.0 | 62.7 | -3.7 |
| 02:00 AM - 02:05 AM | 62.9 | 63.9 | -1.0 | 7.0 | 58.9 | 62.7 | -3.8 |
| 02:05 AM - 02:10 AM | 62.7 | 63.9 | -1.2 | 7.0 | 58.7 | 62.7 | -4.0 |
| 02:10 AM - 02:15 AM | 62.5 | 63.9 | -1.4 | 7.0 | 58.5 | 62.7 | -4.2 |
| 02:15 AM - 02:20 AM | 62.7 | 63.9 | -1.2 | 7.0 | 58.7 | 62.7 | -4.0 |
| 02:20 AM - 02:25 AM | 62.6 | 63.9 | -1.3 | 7.0 | 58.6 | 62.7 | -4.1 |
| 02:25 AM - 02:30 AM | 62.4 | 63.9 | -1.5 | 7.0 | 58.4 | 62.7 | -4.3 |
| 02:30 AM - 02:35 AM | 62.4 | 63.9 | -1.5 | 7.0 | 58.4 | 62.7 | -4.3 |
| 02:35 AM - 02:40 AM | 62.8 | 63.9 | -1.1 | 7.0 | 58.8 | 62.7 | -3.9 |
| 02:40 AM - 02:45 AM | 62.7 | 63.9 | -1.2 | 7.0 | 58.7 | 62.7 | -4.0 |
| 02:45 AM - 02:50 AM | 62.6 | 63.9 | -1.3 | 7.0 | 58.6 | 62.7 | -4.1 |
| 02:50 AM - 02:55 AM | 62.8 | 63.9 | -1.1 | 7.0 | 58.8 | 62.7 | -3.9 |
| 02:55 AM - 03:00 AM | 62.8 | 63.9 | -1.1 | 7.0 | 58.8 | 62.7 | -3.9 |
| 03:00 AM - 03:05 AM | 62.9 | 63.9 | -1.0 | 7.0 | 58.9 | 62.7 | -3.8 |
| 03:05 AM - 03:10 AM | 62.8 | 63.9 | -1.1 | 7.0 | 58.8 | 62.7 | -3.9 |
| 03:10 AM - 03:15 AM | 62.6 | 63.9 | -1.3 | 7.0 | 58.6 | 62.7 | -4.1 |
| 03:15 AM - 03:20 AM | 62.7 | 63.9 | -1.2 | 7.0 | 58.7 | 62.7 | -4.0 |
| 03:20 AM - 03:25 AM | 62.6 | 63.9 | -1.3 | 7.0 | 58.6 | 62.7 | -4.1 |
| 03:25 AM - 03:30 AM | 62.9 | 63.9 | -1.0 | 7.0 | 58.9 | 62.7 | -3.8 |
| 03:30 AM - 03:35 AM | 62.9 | 63.9 | -1.0 | 7.0 | 58.9 | 62.7 | -3.8 |
| 03:35 AM - 03:40 AM | 62.8 | 63.9 | -1.1 | 7.0 | 58.8 | 62.7 | -3.9 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

หมายเหตุ

1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่คาดการณ์จากประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่คาดการณ์จากประกอบกิจการโรงงาน พ.ศ. 2553
3. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่คาดการณ์จากประกอบกิจการโรงงาน พ.ศ. 2561

ระดับเสียงรบกวนจากตัวอาคารตรวจวัด วันที่ 09-10 พฤศจิกายน 2565

ระดับเสียงรบกวนและระดับเสียงขณะไม่มีการรบกวน (ข้อมูลจากการตรวจวัดจากแหล่งรบกวนเสียงเฉลี่ย (EIA) พ.ศ. 2557 สูตรตรวจวัด 07-10 มิถุนายน 2557)

Approved by

WibB.

Wiwann Borikak
Assistant Manager

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ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 5, Siam Eastern Industrial Park, T. Mampangphong, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1



TESTING
No.0042

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498735-1

Page 1 of 3

Sample No. 22135531-14
Parameter เสียงรบกวน
Location South Fence (GPS 47P 0731721, 1438047)
Measurement Date Nov 12 - 13, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122607

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------------|---------|----------------------------|---------|--------------|------------------|
| | | | ค่าจริง | ค่าปรับ | ค่าจริง | ค่าปรับ | | |
| | | | | | | | | |
| 10:00 AM - 11:00 AM | 62.4 | 64.2 | -1.8 | 7.0 | 55.4 | - | 62.4 | -7.0 |
| 11:00 AM - 12:00 PM | 62.4 | 64.2 | -1.8 | 7.0 | 55.4 | - | 62.4 | -7.0 |
| 12:00 PM - 01:00 PM | 62.3 | 64.2 | -1.9 | 7.0 | 55.3 | - | 62.4 | -7.1 |
| 01:00 PM - 02:00 PM | 62.0 | 64.2 | -2.2 | 7.0 | 55.0 | - | 62.4 | -7.4 |
| 02:00 PM - 03:00 PM | 62.2 | 64.2 | -2.0 | 7.0 | 55.2 | - | 62.4 | -7.2 |
| 03:00 PM - 04:00 PM | 62.4 | 64.2 | -1.8 | 7.0 | 55.4 | - | 62.4 | -7.0 |
| 04:00 PM - 05:00 PM | 62.5 | 64.2 | -1.7 | 7.0 | 55.5 | - | 62.4 | -6.9 |
| 05:00 PM - 06:00 PM | 62.5 | 64.2 | -1.7 | 7.0 | 55.5 | - | 62.4 | -6.9 |
| 06:00 PM - 07:00 PM | 63.2 | 64.2 | -1.0 | 7.0 | 56.2 | - | 62.4 | -6.2 |
| 07:00 PM - 08:00 PM | 64.4 | 64.2 | 0.2 | 7.0 | 57.4 | - | 62.4 | -5.0 |
| 08:00 PM - 09:00 PM | 63.6 | 64.2 | -0.6 | 7.0 | 56.6 | - | 62.4 | -5.8 |
| 09:00 PM - 10:00 PM | 63.2 | 64.2 | -1.0 | 7.0 | 56.2 | - | 62.4 | -6.2 |
| 10:00 PM - 10:05 PM | 63.1 | 63.9 | -0.8 | 7.0 | 59.3 | 62.7 | -3.4 | - |
| 10:05 PM - 10:10 PM | 63.3 | 63.9 | -0.6 | 7.0 | 59.3 | 62.7 | -3.4 | - |
| 10:10 PM - 10:15 PM | 63.2 | 63.9 | -0.7 | 7.0 | 59.2 | 62.7 | -3.5 | - |
| 10:15 PM - 10:20 PM | 63.0 | 63.9 | -0.9 | 7.0 | 59.0 | 62.7 | -3.7 | - |
| 10:20 PM - 10:25 PM | 63.1 | 63.9 | -0.8 | 7.0 | 59.1 | 62.7 | -3.6 | - |
| 10:25 PM - 10:30 PM | 62.9 | 63.9 | -1.0 | 7.0 | 58.9 | 62.7 | -3.8 | - |
| 10:30 PM - 10:35 PM | 62.9 | 63.9 | -1.0 | 7.0 | 58.9 | 62.7 | -3.8 | - |
| 10:35 PM - 10:40 PM | 62.9 | 63.9 | -1.0 | 7.0 | 58.9 | 62.7 | -3.8 | - |
| 10:40 PM - 10:45 PM | 63.0 | 63.9 | -0.9 | 7.0 | 59.0 | 62.7 | -3.7 | - |
| 10:45 PM - 10:50 PM | 62.7 | 63.9 | -1.2 | 7.0 | 58.7 | 62.7 | -4.0 | - |
| 10:50 PM - 10:55 PM | 62.6 | 63.9 | -1.3 | 7.0 | 58.6 | 62.7 | -4.1 | - |
| 10:55 PM - 11:00 PM | 63.0 | 63.9 | -0.9 | 7.0 | 59.0 | 62.7 | -3.7 | - |
| 11:00 PM - 11:05 PM | 63.0 | 63.9 | -0.9 | 7.0 | 59.0 | 62.7 | -3.7 | - |
| 11:05 PM - 11:10 PM | 63.1 | 63.9 | -0.8 | 7.0 | 59.1 | 62.7 | -3.6 | - |
| 11:10 PM - 11:15 PM | 62.6 | 63.9 | -1.3 | 7.0 | 58.6 | 62.7 | -4.1 | - |
| 11:15 PM - 11:20 PM | 62.5 | 63.9 | -1.4 | 7.0 | 58.5 | 62.7 | -4.2 | - |
| 11:20 PM - 11:25 PM | 62.4 | 63.9 | -1.5 | 7.0 | 58.4 | 62.7 | -4.3 | - |
| 11:25 PM - 11:30 PM | 62.2 | 63.9 | -1.7 | 7.0 | 58.2 | 62.7 | -4.5 | - |
| 11:30 PM - 11:35 PM | 62.1 | 63.9 | -1.8 | 7.0 | 58.1 | 62.7 | -4.6 | - |
| 11:35 PM - 11:40 PM | 62.6 | 63.9 | -1.3 | 7.0 | 58.6 | 62.7 | -4.1 | - |
| 11:40 PM - 11:45 PM | 62.5 | 63.9 | -1.4 | 7.0 | 58.5 | 62.7 | -4.2 | - |
| 11:45 PM - 11:50 PM | 62.2 | 63.9 | -1.7 | 7.0 | 58.2 | 62.7 | -4.5 | - |
| 11:50 PM - 11:55 PM | 62.4 | 63.9 | -1.5 | 7.0 | 58.4 | 62.7 | -4.3 | - |
| 11:55 PM - 12:00 AM | 62.2 | 63.9 | -1.7 | 7.0 | 58.2 | 62.7 | -4.5 | - |
| 12:00 AM - 12:05 AM | 62.2 | 63.9 | -1.7 | 7.0 | 58.2 | 62.7 | -4.5 | - |
| 12:05 AM - 12:10 AM | 62.3 | 63.9 | -1.6 | 7.0 | 58.3 | 62.7 | -4.4 | - |
| 12:10 AM - 12:15 AM | 63.1 | 63.9 | -0.8 | 7.0 | 59.3 | 62.7 | -3.4 | - |
| 12:15 AM - 12:20 AM | 62.5 | 63.9 | -1.4 | 7.0 | 58.5 | 62.7 | -4.2 | - |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyngphong, A. Phakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103

Project Name :
Project Location : Glow SPP11 Plant 1

Sample No. 22135531-15
Parameter เสียงรบกวน
Location South Fence (GPS 47P 0731721, 1438047)
Measurement Date Nov 13 - 14, 2022
Measurement by Sound Level Meter
01122607

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498736-1

Page 1 of 3

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับ | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่ารวมการรบกวน |
|---------------------|---------------------|-------------------------|------------------|---------|----------------------------|---------|--------------|----------------|
| | | | | | กลางวัน | กลางคืน | | |
| 10:00 AM - 11:00 AM | 63.1 | 64.2 | -1.1 | 7.0 | 56.1 | - | 62.4 | -6.3 |
| 11:00 AM - 12:00 PM | 64.3 | 64.2 | 0.1 | 7.0 | 57.3 | - | 62.4 | -5.1 |
| 12:00 PM - 01:00 PM | 63.0 | 64.2 | -1.2 | 7.0 | 56.0 | - | 62.4 | -6.4 |
| 01:00 PM - 02:00 PM | 63.1 | 64.2 | -1.1 | 7.0 | 56.1 | - | 62.4 | -6.3 |
| 02:00 PM - 03:00 PM | 62.8 | 64.2 | -1.4 | 7.0 | 55.8 | - | 62.4 | -6.6 |
| 03:00 PM - 04:00 PM | 62.5 | 64.2 | -1.7 | 7.0 | 55.5 | - | 62.4 | -6.9 |
| 04:00 PM - 05:00 PM | 62.9 | 64.2 | -1.3 | 7.0 | 55.9 | - | 62.4 | -6.5 |
| 05:00 PM - 06:00 PM | 63.1 | 64.2 | -1.1 | 7.0 | 56.1 | - | 62.4 | -6.3 |
| 06:00 PM - 07:00 PM | 62.9 | 64.2 | -1.3 | 7.0 | 55.9 | - | 62.4 | -6.5 |
| 07:00 PM - 08:00 PM | 62.6 | 64.2 | -1.6 | 7.0 | 55.6 | - | 62.4 | -6.8 |
| 08:00 PM - 09:00 PM | 62.4 | 64.2 | -1.8 | 7.0 | 55.4 | - | 62.4 | -7.0 |
| 09:00 PM - 10:00 PM | 62.6 | 64.2 | -1.6 | 7.0 | 55.6 | - | 62.4 | -6.8 |
| 10:00 PM - 10:05 PM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 10:05 PM - 10:10 PM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 10:10 PM - 10:15 PM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 10:15 PM - 10:20 PM | 62.3 | 63.9 | -1.6 | 7.0 | - | 58.3 | 62.7 | -4.4 |
| 10:20 PM - 10:25 PM | 62.3 | 63.9 | -1.6 | 7.0 | - | 58.3 | 62.7 | -4.4 |
| 10:25 PM - 10:30 PM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 10:30 PM - 10:35 PM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 10:35 PM - 10:40 PM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 10:40 PM - 10:45 PM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 10:45 PM - 10:50 PM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 10:50 PM - 10:55 PM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 10:55 PM - 11:00 PM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 11:00 PM - 11:05 PM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 11:05 PM - 11:10 PM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 11:10 PM - 11:15 PM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 11:15 PM - 11:20 PM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 |
| 11:20 PM - 11:25 PM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 11:25 PM - 11:30 PM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 11:30 PM - 11:35 PM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 11:35 PM - 11:40 PM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 11:40 PM - 11:45 PM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 11:45 PM - 11:50 PM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 11:50 PM - 11:55 PM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 11:55 PM - 12:00 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 12:00 AM - 12:05 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 12:05 AM - 12:10 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 12:10 AM - 12:15 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 12:15 AM - 12:20 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |

The above results are valid only for the specified period and are not to be used for any other purpose. The results are not to be used for any other purpose. The results are not to be used for any other purpose.

Approved by

Wilawan Borrik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Page 2 of 3



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyngphong, A. Phakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103

Project Name :
Project Location : Glow SPP11 Plant 1

Sample No. 22135531-15
Parameter เสียงรบกวน
Location South Fence (GPS 47P 0731721, 1438047)
Measurement Date Nov 13 - 14, 2022
Measurement by Sound Level Meter
01122607

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498736-1

Page 3 of 3

| เวลา | เสียงจากแหล่งกำเนิด | ระดับเสียง (dB(A)) | | | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่ารวมการรบกวน |
|---------------------|---------------------|-------------------------|------------------|---------|---------|----------------------------|------|--------------|----------------|
| | | เสียงรบกวนไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับ | การวัด | | | | |
| | | | | | กลางวัน | กลางคืน | | | |
| 03:40 AM - 03:45 AM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 | |
| 03:45 AM - 03:50 AM | 62.5 | 63.9 | -1.4 | 7.0 | - | 58.5 | 62.7 | -4.2 | |
| 03:50 AM - 03:55 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 | |
| 03:55 AM - 04:00 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 | |
| 04:00 AM - 04:05 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 | |
| 04:05 AM - 04:10 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 | |
| 04:10 AM - 04:15 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 | |
| 04:15 AM - 04:20 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 | |
| 04:20 AM - 04:25 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 | |
| 04:25 AM - 04:30 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 | |
| 04:30 AM - 04:35 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 | |
| 04:35 AM - 04:40 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 | |
| 04:40 AM - 04:45 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 | |
| 04:45 AM - 04:50 AM | 63.2 | 63.9 | -0.7 | 7.0 | - | 59.2 | 62.7 | -3.5 | |
| 04:50 AM - 04:55 AM | 63.2 | 63.9 | -0.7 | 7.0 | - | 59.2 | 62.7 | -3.5 | |
| 04:55 AM - 05:00 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 | |
| 05:00 AM - 05:05 AM | 63.1 | 63.9 | -0.8 | 7.0 | - | 59.1 | 62.7 | -3.6 | |
| 05:05 AM - 05:10 AM | 63.3 | 63.9 | -0.6 | 7.0 | - | 59.3 | 62.7 | -3.4 | |
| 05:10 AM - 05:15 AM | 63.4 | 63.9 | -0.5 | 7.0 | - | 59.4 | 62.7 | -3.3 | |
| 05:15 AM - 05:20 AM | 63.1 | 63.9 | -0.8 | 7.0 | - | 59.1 | 62.7 | -3.6 | |
| 05:20 AM - 05:25 AM | 63.2 | 63.9 | -0.7 | 7.0 | - | 59.2 | 62.7 | -3.5 | |
| 05:25 AM - 05:30 AM | 63.2 | 63.9 | -0.7 | 7.0 | - | 59.2 | 62.7 | -3.5 | |
| 05:30 AM - 05:35 AM | 63.5 | 63.9 | -0.4 | 7.0 | - | 59.5 | 62.7 | -3.2 | |
| 05:35 AM - 05:40 AM | 63.4 | 63.9 | -0.5 | 7.0 | - | 59.4 | 62.7 | -3.3 | |
| 05:40 AM - 05:45 AM | 63.1 | 63.9 | -0.8 | 7.0 | - | 59.1 | 62.7 | -3.6 | |
| 05:45 AM - 05:50 AM | 63.2 | 63.9 | -0.7 | 7.0 | - | 59.2 | 62.7 | -3.5 | |
| 05:50 AM - 05:55 AM | 63.2 | 63.9 | -0.7 | 7.0 | - | 59.2 | 62.7 | -3.5 | |
| 05:55 AM - 06:00 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 | |
| 06:00 AM - 07:00 AM | 62.8 | 64.2 | -1.4 | 7.0 | 55.8 | - | 62.4 | -6.6 | |
| 07:00 AM - 08:00 AM | 62.5 | 64.2 | -1.7 | 7.0 | 55.5 | - | 62.4 | -6.9 | |
| 08:00 AM - 09:00 AM | 62.1 | 64.2 | -2.1 | 7.0 | 55.1 | - | 62.4 | -7.3 | |
| 09:00 AM - 10:00 AM | 62.0 | 64.2 | -2.2 | 7.0 | 55.0 | - | 62.4 | -7.4 | |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

- หมายเหตุ :
1. ผลการตรวจวัดอาจแตกต่างกันได้ เนื่องจากการวัดเสียงรบกวนและการวัดเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
 2. ผลการตรวจวัดอาจแตกต่างกันได้ เนื่องจากการวัดเสียงรบกวนและการวัดเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2557
 3. ผลการตรวจวัดอาจแตกต่างกันได้ เนื่องจากการวัดเสียงรบกวนและการวัดเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2561
 4. ผลการตรวจวัดอาจแตกต่างกันได้ เนื่องจากการวัดเสียงรบกวนและการวัดเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2565

ฉบับนี้จัดทำขึ้นเพื่อใช้สำหรับการวัดเสียงรบกวน (ค่าเฉลี่ยทางสถิติ) ที่ระดับความดังเสียง (dBA) (EIA) No. 2557 วันที่ 07-10 ตุลาคม 2557

The above results are valid only for the specified period and are not to be used for any other purpose. The results are not to be used for any other purpose. The results are not to be used for any other purpose.

Approved by

Wilawan Borrik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mapyngphong, A. Phakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103

Project Name :
Project Location : Glow SPP11 Plant 1

Sample No. 22135531-15
Parameter เสียงรบกวน
Location South Fence (GPS 47P 0731721, 1438047)
Measurement Date Nov 13 - 14, 2022
Measurement by Sound Level Meter
01122607

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498736-1

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนไม่มีการรบกวน | ผลต่างระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่ารวมการรบกวน |
|---------------------|---------------------|-------------------------|------------------|------------|----------------------------|---------|--------------|----------------|
| | | | | | กลางวัน | กลางคืน | | |
| 12:20 AM - 12:25 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 12:25 AM - 12:30 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 12:30 AM - 12:35 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 12:35 AM - 12:40 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 12:40 AM - 12:45 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 12:45 AM - 12:50 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 12:50 AM - 12:55 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 12:55 AM - 01:00 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 01:00 AM - 01:05 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 01:05 AM - 01:10 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 01:10 AM - 01:15 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 01:15 AM - 01:20 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 01:20 AM - 01:25 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 01:25 AM - 01:30 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 01:30 AM - 01:35 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 01:35 AM - 01:40 AM | 62.4 | 63.9 | -1.5 | 7.0 | - | 58.4 | 62.7 | -4.3 |
| 01:40 AM - 01:45 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 01:45 AM - 01:50 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 01:50 AM - 01:55 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 01:55 AM - 02:00 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 02:00 AM - 02:05 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 02:05 AM - 02:10 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 02:10 AM - 02:15 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 02:15 AM - 02:20 AM | 63.1 | 63.9 | -0.8 | 7.0 | - | 59.1 | 62.7 | -3.6 |
| 02:20 AM - 02:25 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 02:25 AM - 02:30 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 02:30 AM - 02:35 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |
| 02:35 AM - 02:40 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 02:40 AM - 02:45 AM | 63.0 | 63.9 | -0.9 | 7.0 | - | 59.0 | 62.7 | -3.7 |
| 02:45 AM - 02:50 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 02:50 AM - 02:55 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 02:55 AM - 03:00 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 03:00 AM - 03:05 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 03:05 AM - 03:10 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 03:10 AM - 03:15 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 03:15 AM - 03:20 AM | 62.9 | 63.9 | -1.0 | 7.0 | - | 58.9 | 62.7 | -3.8 |
| 03:20 AM - 03:25 AM | 62.7 | 63.9 | -1.2 | 7.0 | - | 58.7 | 62.7 | -4.0 |
| 03:25 AM - 03:30 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 03:30 AM - 03:35 AM | 62.8 | 63.9 | -1.1 | 7.0 | - | 58.8 | 62.7 | -3.9 |
| 03:35 AM - 03:40 AM | 62.6 | 63.9 | -1.3 | 7.0 | - | 58.6 | 62.7 | -4.1 |



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498737-1

TESTING
No.0042

Page 2 of 3

Sample No. 22135531-16
Parameter เลื่อนกรวน
Location West Fence (GPS 47P 0731650, 1438138)
Measurement Date Nov 09 - 10, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222716

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|----------|-------------|------------------|
| | | | | | การปรับค่า | ค่าเสียง | | |
| 12:15 AM - 12:20 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 12:20 AM - 12:25 AM | 62.3 | 61.9 | 0.4 | 7.0 | - | 58.3 | 61.5 | -3.2 |
| 12:25 AM - 12:30 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 12:30 AM - 12:35 AM | 62.5 | 61.9 | 0.6 | 7.0 | - | 58.5 | 61.5 | -3.0 |
| 12:35 AM - 12:40 AM | 62.3 | 61.9 | 0.4 | 7.0 | - | 58.3 | 61.5 | -3.2 |
| 12:40 AM - 12:45 AM | 62.2 | 61.9 | 0.3 | 7.0 | - | 58.2 | 61.5 | -3.3 |
| 12:45 AM - 12:50 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 12:50 AM - 12:55 AM | 63.7 | 61.9 | 1.8 | 4.5 | - | 62.2 | 61.5 | 0.7 |
| 12:55 AM - 01:00 AM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 01:00 AM - 01:05 AM | 63.3 | 61.9 | 1.4 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 01:05 AM - 01:10 AM | 64.2 | 61.9 | 2.3 | 4.5 | - | 62.7 | 61.5 | 1.2 |
| 01:10 AM - 01:15 AM | 65.0 | 61.9 | 3.1 | 3.0 | - | 65.0 | 61.5 | 3.5 |
| 01:15 AM - 01:20 AM | 63.3 | 61.9 | 1.4 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 01:20 AM - 01:25 AM | 64.2 | 61.9 | 2.3 | 4.5 | - | 62.7 | 61.5 | 1.2 |
| 01:25 AM - 01:30 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 01:30 AM - 01:35 AM | 63.9 | 61.9 | 2.0 | 4.5 | - | 62.4 | 61.5 | 0.9 |
| 01:35 AM - 01:40 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 01:40 AM - 01:45 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 01:45 AM - 01:50 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 01:50 AM - 01:55 AM | 62.1 | 61.9 | 0.2 | 7.0 | - | 58.1 | 61.5 | -3.4 |
| 01:55 AM - 02:00 AM | 62.3 | 61.9 | 0.4 | 7.0 | - | 58.3 | 61.5 | -3.2 |
| 02:00 AM - 02:05 AM | 63.8 | 61.9 | 1.9 | 4.5 | - | 62.3 | 61.5 | 0.8 |
| 02:05 AM - 02:10 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 02:10 AM - 02:15 AM | 63.7 | 61.9 | 1.8 | 4.5 | - | 62.2 | 61.5 | 0.7 |
| 02:15 AM - 02:20 AM | 63.3 | 61.9 | 1.4 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 02:20 AM - 02:25 AM | 65.3 | 61.9 | 3.4 | 3.0 | - | 65.3 | 61.5 | 3.8 |
| 02:25 AM - 02:30 AM | 67.2 | 61.9 | 5.3 | 1.5 | - | 68.7 | 61.5 | 7.2 |
| 02:30 AM - 02:35 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 02:35 AM - 02:40 AM | 62.2 | 61.9 | 0.3 | 7.0 | - | 58.2 | 61.5 | -3.3 |
| 02:40 AM - 02:45 AM | 64.2 | 61.9 | 2.3 | 4.5 | - | 62.7 | 61.5 | 1.2 |
| 02:45 AM - 02:50 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 02:50 AM - 02:55 AM | 62.3 | 61.9 | 0.4 | 7.0 | - | 58.3 | 61.5 | -3.2 |
| 02:55 AM - 03:00 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 03:00 AM - 03:05 AM | 62.1 | 61.9 | 0.2 | 7.0 | - | 58.1 | 61.5 | -3.4 |
| 03:05 AM - 03:10 AM | 62.1 | 61.9 | 0.2 | 7.0 | - | 58.1 | 61.5 | -3.4 |
| 03:10 AM - 03:15 AM | 63.0 | 61.9 | 1.1 | 7.0 | - | 59.0 | 61.5 | -2.5 |
| 03:15 AM - 03:20 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 03:20 AM - 03:25 AM | 62.9 | 61.9 | 1.0 | 7.0 | - | 58.9 | 61.5 | -2.6 |
| 03:25 AM - 03:30 AM | 62.2 | 61.9 | 0.3 | 7.0 | - | 58.2 | 61.5 | -3.3 |
| 03:30 AM - 03:35 AM | 63.2 | 61.9 | 1.3 | 7.0 | - | 59.2 | 61.5 | -2.3 |

Approved by

Wibab.

Wiwann Borrak
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498737-1

TESTING
No.0042

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Sample No. 22135531-17
Parameter เลื่อนกรวน
Location West Fence (GPS 47P 0731650, 1438138)
Measurement Date Nov 10 - 11, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222716

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|----------|-------------|------------------|
| | | | | | การปรับค่า | ค่าเสียง | | |
| 09:00 AM - 10:00 AM | 65.4 | 62.0 | 3.4 | 3.0 | 62.4 | - | 61.2 | 1.2 |
| 10:00 AM - 11:00 AM | 65.5 | 62.0 | 3.5 | 2.0 | 61.5 | - | 61.2 | 2.3 |
| 11:00 AM - 12:00 PM | 61.9 | 62.0 | -0.1 | 7.0 | 61.9 | - | 61.2 | 0.7 |
| 12:00 PM - 01:00 PM | 63.8 | 62.0 | 1.8 | 4.5 | 59.3 | - | 61.2 | -1.9 |
| 01:00 PM - 02:00 PM | 64.0 | 62.0 | 2.0 | 4.5 | 59.5 | - | 61.2 | -1.7 |
| 02:00 PM - 03:00 PM | 63.3 | 62.0 | 1.3 | 7.0 | 58.3 | - | 61.2 | -4.9 |
| 03:00 PM - 04:00 PM | 62.2 | 62.0 | 0.2 | 7.0 | 58.2 | - | 61.2 | -5.0 |
| 04:00 PM - 05:00 PM | 63.2 | 62.0 | 1.2 | 7.0 | 58.2 | - | 61.2 | -5.0 |
| 05:00 PM - 06:00 PM | 64.5 | 62.0 | 2.5 | 3.0 | 61.5 | - | 61.2 | 0.3 |
| 06:00 PM - 07:00 PM | 63.6 | 62.0 | 1.6 | 4.5 | 59.1 | - | 61.2 | -1.9 |
| 07:00 PM - 08:00 PM | 65.4 | 62.0 | 3.4 | 3.0 | 62.4 | - | 61.2 | 1.2 |
| 08:00 PM - 09:00 PM | 65.8 | 62.0 | 3.8 | 2.0 | 61.8 | - | 61.2 | 2.6 |
| 09:00 PM - 10:00 PM | 63.0 | 62.0 | 1.0 | 7.0 | 58.0 | - | 61.2 | -5.2 |
| 10:00 PM - 10:05 PM | 61.8 | 61.9 | -0.1 | 7.0 | 57.8 | 61.5 | -3.7 | - |
| 10:05 PM - 10:10 PM | 61.5 | 61.9 | -0.4 | 7.0 | 57.5 | 61.5 | -4.0 | - |
| 10:10 PM - 10:15 PM | 64.1 | 61.9 | 2.2 | 4.5 | 62.6 | 61.5 | 1.1 | - |
| 10:15 PM - 10:20 PM | 64.1 | 61.9 | 2.2 | 4.5 | 62.6 | 61.5 | 1.1 | - |
| 10:20 PM - 10:25 PM | 63.0 | 61.9 | 1.1 | 7.0 | 59.0 | 61.5 | -2.5 | - |
| 10:25 PM - 10:30 PM | 61.9 | 61.9 | 0.0 | 7.0 | 57.9 | 61.5 | -3.6 | - |
| 10:30 PM - 10:35 PM | 61.1 | 61.9 | -0.8 | 7.0 | 57.1 | 61.5 | -4.4 | - |
| 10:35 PM - 10:40 PM | 62.1 | 61.9 | 0.2 | 7.0 | 58.1 | 61.5 | -3.4 | - |
| 10:40 PM - 10:45 PM | 61.4 | 61.9 | -0.5 | 7.0 | 57.4 | 61.5 | -4.1 | - |
| 10:45 PM - 10:50 PM | 62.3 | 61.9 | 0.4 | 7.0 | 58.2 | 61.5 | -3.3 | - |
| 10:50 PM - 10:55 PM | 62.2 | 61.9 | 0.3 | 7.0 | 58.2 | 61.5 | -3.3 | - |
| 10:55 PM - 11:00 PM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 | -3.5 | - |
| 11:00 PM - 11:05 PM | 62.7 | 61.9 | 0.8 | 7.0 | 58.2 | 61.5 | -3.3 | - |
| 11:05 PM - 11:10 PM | 64.1 | 61.9 | 2.2 | 4.5 | 62.6 | 61.5 | 1.1 | - |
| 11:10 PM - 11:15 PM | 62.9 | 61.9 | 1.0 | 7.0 | 58.9 | 61.5 | -2.6 | - |
| 11:15 PM - 11:20 PM | 66.0 | 61.9 | 4.1 | 2.0 | 67.0 | 61.5 | 5.5 | - |
| 11:20 PM - 11:25 PM | 64.9 | 61.9 | 3.0 | 3.0 | 64.9 | 61.5 | 3.4 | - |
| 11:25 PM - 11:30 PM | 61.9 | 61.9 | 0.0 | 7.0 | 57.9 | 61.5 | -3.6 | - |
| 11:30 PM - 11:35 PM | 61.9 | 61.9 | 0.0 | 7.0 | 57.9 | 61.5 | -3.6 | - |
| 11:35 PM - 11:40 PM | 62.9 | 61.9 | 1.0 | 7.0 | 58.9 | 61.5 | -2.6 | - |
| 11:40 PM - 11:45 PM | 62.9 | 61.9 | 1.0 | 7.0 | 58.9 | 61.5 | -2.6 | - |
| 11:45 PM - 11:50 PM | 65.6 | 61.9 | 3.7 | 2.0 | 66.1 | 61.5 | 4.6 | - |
| 11:50 PM - 11:55 PM | 60.9 | 61.9 | -1.0 | 7.0 | 56.9 | 61.5 | -4.6 | - |
| 11:55 PM - 12:00 AM | 61.7 | 61.9 | -0.2 | 7.0 | 57.7 | 61.5 | -3.8 | - |
| 12:00 AM - 12:05 AM | 60.5 | 61.9 | -1.4 | 7.0 | 56.5 | 61.5 | -5.0 | - |
| 12:05 AM - 12:10 AM | 61.0 | 61.9 | -0.9 | 7.0 | 57.0 | 61.5 | -4.5 | - |
| 12:10 AM - 12:15 AM | 60.2 | 61.9 | -1.7 | 7.0 | 56.2 | 61.5 | -5.3 | - |

Approved by

Wibab.

Wiwann Borrak
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO. LTD. An ALS Limited Company

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 22135531
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498737-1

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Sample No. 22135531-16
Parameter เลื่อนกรวน
Location West Fence (GPS 47P 0731650, 1438138)
Measurement Date Nov 09 - 10, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222716

| กรณีเสียง (dB(A)) | | | | | | | | |
|---------------------|---------------------|-----------------------|------------------|------------|-----------------------------------|-------------|------------------|------|
| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิดตามจริง | เสียงที่ฐาน | ค่าระดับการรบกวน | |
| 03:35 AM - 03:40 AM | 63.5 | 61.9 | 1.6 | 4.5 | - | 62.0 | 61.5 | 0.5 |
| 03:40 AM - 03:45 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 03:45 AM - 03:50 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 03:50 AM - 03:55 AM | 66.1 | 61.9 | 4.2 | 2.0 | - | 67.1 | 61.5 | 5.6 |
| 03:55 AM - 04:00 AM | 65.2 | 61.9 | 3.3 | 3.0 | - | 65.2 | 61.5 | 3.7 |
| 04:00 AM - 04:05 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 04:05 AM - 04:10 AM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 04:10 AM - 04:15 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 04:15 AM - 04:20 AM | 62.5 | 61.9 | 0.6 | 7.0 | - | 58.5 | 61.5 | -3.0 |
| 04:20 AM - 04:25 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 04:25 AM - 04:30 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 04:30 AM - 04:35 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 04:35 AM - 04:40 AM | 62.5 | 61.9 | 0.6 | 7.0 | - | 58.5 | 61.5 | -3.0 |
| 04:40 AM - 04:45 AM | 63.7 | 61.9 | 1.8 | 4.5 | - | 62.2 | 61.5 | 0.7 |
| 04:45 AM - 04:50 AM | 66.7 | 61.9 | 4.8 | 1.5 | - | 68.2 | 61.5 | 6.7 |
| 04:50 AM - 04:55 AM | 63.3 | 61.9 | 1.4 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 04:55 AM - 05:00 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 05:00 AM - 05:05 AM | 63.7 | 61.9 | 1.8 | 4.5 | - | 62.2 | 61.5 | 0.7 |
| 05:05 AM - 05:10 AM | 61.6 | 61.9 | -0.3 | 7.0 | - | 57.6 | 61.5 | -3.9 |
| 05:10 AM - 05:15 AM | 62.2 | 61.9 | 0.3 | 7.0 | - | 58.2 | 61.5 | -3.3 |
| 05:15 AM - 05:20 AM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 05:20 AM - 05:25 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 05:25 AM - 05:30 AM | 63.7 | 61.9 | 1.8 | 4.5 | - | 62.2 | 61.5 | 0.7 |
| 05:30 AM - 05:35 AM | 63.3 | 61.9 | 1.4 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 05:35 AM - 05:40 AM | 62.2 | 61.9 | 0.3 | 7.0 | - | 58.2 | 61.5 | -3.3 |
| 05:40 AM - 05:45 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 05:45 AM - 05:50 AM | 63.0 | 61.9 | 1.1 | 7.0 | - | 59.0 | 61.5 | -2.5 |
| 05:50 AM - 05:55 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 05:55 AM - 06:00 AM | 63.4 | 61.9 | 1.5 | 4.5 | - | 61.9 | 61.5 | 0.4 |
| 06:00 AM - 07:00 AM | 65.0 | 62.0 | 3.2 | 3.0 | 62.2 | - | 61.2 | 1.0 |
| 07:00 AM - 08:00 AM | 65.6 | 62.0 | 4.9 | 1.5 | 65.4 | - | 61.2 | 4.2 |
| 08:00 AM - 09:00 AM | 66.9 | 62.0 | 3.6 | 2.0 | 61.6 | - | 61.2 | 5.4 |



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 3, Sam Eastern Industrial Park, T. Mayangphong, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name
Project Location : Glow SPP11 Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498740-1

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No.0042

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Sample No. 22135531-19
Parameter เสียงรบกวน
Location West Fence (GPS 47P 0731650, 1438138)
Measurement Date Nov 12 - 13, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222716

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงรบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-------------------------|------------------|------------|----------------------------|---------|------------|------------------|
| | | | | | กลางวัน | กลางคืน | | |
| 09:00 AM - 10:00 AM | 64.2 | 62.0 | 2.2 | 4.5 | 59.7 | - | 61.2 | -1.5 |
| 10:00 AM - 11:00 AM | 65.4 | 62.0 | 3.4 | 3.0 | 62.4 | - | 61.2 | 1.2 |
| 11:00 AM - 12:00 PM | 64.6 | 62.0 | 2.6 | 3.0 | 61.6 | - | 61.2 | 0.4 |
| 12:00 PM - 01:00 PM | 63.5 | 62.0 | 1.5 | 4.5 | 59.0 | - | 61.2 | -2.2 |
| 01:00 PM - 02:00 PM | 69.8 | 62.0 | 7.8 | 0.5 | 69.3 | - | 61.2 | 8.1 |
| 02:00 PM - 03:00 PM | 63.8 | 62.0 | 1.8 | 4.5 | 59.3 | - | 61.2 | -1.9 |
| 03:00 PM - 04:00 PM | 63.5 | 62.0 | 1.5 | 4.5 | 59.0 | - | 61.2 | -2.2 |
| 04:00 PM - 05:00 PM | 63.9 | 62.0 | 1.9 | 4.5 | 59.4 | - | 61.2 | -1.8 |
| 05:00 PM - 06:00 PM | 63.1 | 62.0 | 1.1 | 7.0 | 56.1 | - | 61.2 | -5.1 |
| 06:00 PM - 07:00 PM | 63.0 | 62.0 | 1.0 | 7.0 | 56.0 | - | 61.2 | -5.2 |
| 07:00 PM - 08:00 PM | 67.2 | 62.0 | 5.2 | 1.5 | 65.7 | - | 61.2 | 4.5 |
| 08:00 PM - 09:00 PM | 65.6 | 62.0 | 3.6 | 2.0 | 63.6 | - | 61.2 | 2.4 |
| 09:00 PM - 10:00 PM | 63.4 | 62.0 | 1.4 | 7.0 | 56.4 | - | 61.2 | -4.8 |
| 10:00 PM - 10:05 PM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 10:05 PM - 10:10 PM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 10:10 PM - 10:15 PM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 10:15 PM - 10:20 PM | 62.9 | 61.9 | 1.0 | 7.0 | - | 58.9 | 61.5 | -2.6 |
| 10:20 PM - 10:25 PM | 62.9 | 61.9 | 1.0 | 7.0 | - | 58.9 | 61.5 | -2.6 |
| 10:25 PM - 10:30 PM | 63.3 | 61.9 | 1.4 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 10:30 PM - 10:35 PM | 63.5 | 61.9 | 1.6 | 4.5 | - | 62.0 | 61.5 | 0.5 |
| 10:35 PM - 10:40 PM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 10:40 PM - 10:45 PM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 10:45 PM - 10:50 PM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 10:50 PM - 10:55 PM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 10:55 PM - 11:00 PM | 63.3 | 61.9 | 1.4 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 11:00 PM - 11:05 PM | 63.9 | 61.9 | 2.0 | 7.0 | - | 58.9 | 61.5 | -2.4 |
| 11:05 PM - 11:10 PM | 63.5 | 61.9 | 1.6 | 4.5 | - | 62.0 | 61.5 | -0.5 |
| 11:10 PM - 11:15 PM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 11:15 PM - 11:20 PM | 63.2 | 61.9 | 1.3 | 7.0 | - | 59.2 | 61.5 | -2.3 |
| 11:20 PM - 11:25 PM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 11:25 PM - 11:30 PM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 11:30 PM - 11:35 PM | 62.9 | 61.9 | 1.0 | 7.0 | - | 58.9 | 61.5 | -2.6 |
| 11:35 PM - 11:40 PM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 11:40 PM - 11:45 PM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 11:45 PM - 11:50 PM | 62.5 | 61.9 | 0.6 | 7.0 | - | 58.5 | 61.5 | -3.0 |
| 11:50 PM - 11:55 PM | 63.2 | 61.9 | 1.3 | 7.0 | - | 59.2 | 61.5 | -2.3 |
| 11:55 PM - 12:00 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 12:00 AM - 12:05 AM | 64.3 | 61.9 | 2.4 | 4.5 | 62.8 | 61.5 | -2.3 | |
| 12:05 AM - 12:10 AM | 63.0 | 61.9 | 1.1 | 7.0 | - | 59.0 | 61.5 | -2.5 |
| 12:10 AM - 12:15 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |

The above results are valid only for the analyzed/checked samples as indicated in this report. No part of this report or its contents may be reproduced in any form without written consent from the Laboratory & Customer Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibab.
Wibawan Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 3, Sam Eastern Industrial Park, T. Mayangphong, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name
Project Location : Glow SPP11 Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498740-1

TESTING
No.0042

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Sample No. 22135531-20
Parameter เสียงรบกวน
Location West Fence (GPS 47P 0731650, 1438138)
Measurement Date Nov 12 - 13, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222716

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงรบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-------------------------|------------------|------------|----------------------------|---------|------------|------------------|
| | | | | | กลางวัน | กลางคืน | | |
| 03:35 AM - 03:40 AM | 63.3 | 61.9 | 1.4 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 03:40 AM - 03:45 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 03:45 AM - 03:50 AM | 63.9 | 61.9 | 2.0 | 4.5 | - | 58.9 | 61.5 | -2.4 |
| 03:50 AM - 03:55 AM | 64.2 | 61.9 | 2.3 | 4.5 | - | 62.7 | 61.5 | 1.2 |
| 03:55 AM - 04:00 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 04:00 AM - 04:05 AM | 62.9 | 61.9 | 1.0 | 7.0 | - | 58.9 | 61.5 | -2.6 |
| 04:05 AM - 04:10 AM | 63.0 | 61.9 | 1.1 | 7.0 | - | 58.9 | 61.5 | -2.5 |
| 04:10 AM - 04:15 AM | 62.8 | 61.9 | 0.9 | 7.0 | - | 58.8 | 61.5 | -2.7 |
| 04:15 AM - 04:20 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 04:20 AM - 04:25 AM | 62.5 | 61.9 | 0.6 | 7.0 | - | 58.5 | 61.5 | -3.0 |
| 04:25 AM - 04:30 AM | 63.5 | 61.9 | 1.6 | 4.5 | - | 62.0 | 61.5 | -0.5 |
| 04:30 AM - 04:35 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 04:35 AM - 04:40 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 04:40 AM - 04:45 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.3 | 61.5 | -3.2 |
| 04:45 AM - 04:50 AM | 64.3 | 61.9 | 2.4 | 4.5 | 62.8 | 61.5 | -2.3 | |
| 04:50 AM - 04:55 AM | 63.0 | 61.9 | 1.1 | 7.0 | - | 59.0 | 61.5 | -2.5 |
| 04:55 AM - 05:00 AM | 67.4 | 61.9 | 5.5 | 1.5 | 66.9 | 61.5 | 2.4 | |
| 05:00 AM - 05:05 AM | 63.1 | 61.9 | 1.2 | 7.0 | - | 59.1 | 61.5 | -2.4 |
| 05:05 AM - 05:10 AM | 61.5 | 61.9 | -0.4 | 7.0 | - | 57.5 | 61.5 | -4.0 |
| 05:10 AM - 05:15 AM | 61.8 | 61.9 | -0.1 | 7.0 | - | 57.8 | 61.5 | -3.7 |
| 05:15 AM - 05:20 AM | 61.4 | 61.9 | -0.5 | 7.0 | - | 57.4 | 61.5 | -4.1 |
| 05:20 AM - 05:25 AM | 62.1 | 61.9 | 0.2 | 7.0 | - | 58.1 | 61.5 | -3.4 |
| 05:25 AM - 05:30 AM | 63.0 | 61.9 | 1.1 | 7.0 | - | 59.0 | 61.5 | -2.5 |
| 05:30 AM - 05:35 AM | 61.1 | 61.9 | -0.8 | 7.0 | - | 57.1 | 61.5 | -4.4 |
| 05:35 AM - 05:40 AM | 61.6 | 61.9 | -0.3 | 7.0 | - | 57.6 | 61.5 | -3.9 |
| 05:40 AM - 05:45 AM | 62.6 | 61.9 | 0.7 | 7.0 | - | 58.6 | 61.5 | -2.9 |
| 05:45 AM - 05:50 AM | 61.6 | 61.9 | -0.3 | 7.0 | - | 57.6 | 61.5 | -3.9 |
| 05:50 AM - 05:55 AM | 63.3 | 61.9 | 1.4 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 05:55 AM - 06:00 AM | 61.6 | 61.9 | -0.3 | 7.0 | - | 57.6 | 61.5 | -3.9 |
| 06:00 AM - 07:00 AM | 62.9 | 62.0 | 0.9 | 7.0 | 55.9 | - | 61.2 | -3.3 |
| 07:00 AM - 08:00 AM | 64.0 | 62.0 | 2.0 | 4.5 | 62.5 | - | 61.2 | -2.8 |
| 08:00 AM - 09:00 AM | 65.3 | 62.0 | 3.3 | 3.0 | 62.3 | - | 61.2 | -4.1 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

หมายเหตุ

1. ผลการตรวจวัดค่าเสียงรบกวน (ทั้ง ค่าผลทางสถิติและการรบกวนและค่าเสียงที่ผิดปกติจากแหล่งกำเนิด) จะแสดงในรายงานฉบับนี้
2. ผลการตรวจวัดค่าเสียงรบกวน (ทั้ง ค่าผลทางสถิติและการรบกวนและค่าเสียงที่ผิดปกติจากแหล่งกำเนิด) จะแสดงในรายงานฉบับนี้
3. ผลการตรวจวัดค่าเสียงรบกวน (ทั้ง ค่าผลทางสถิติและการรบกวนและค่าเสียงที่ผิดปกติจากแหล่งกำเนิด) จะแสดงในรายงานฉบับนี้

ระดับเสียงรบกวนที่วัดได้เกินกว่าค่ามาตรฐาน (หรือค่าที่กำหนดโดยหน่วยงานที่เกี่ยวข้อง) (EIA) พ.ศ. 2557 ให้ตรวจวัด 07-10 น.ตาม 2557)

The above results are valid only for the analyzed/checked samples as indicated in this report. No part of this report or its contents may be reproduced in any form without written consent from the Laboratory & Customer Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibab.
Wibawan Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 3, Sam Eastern Industrial Park, T. Mayangphong, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name
Project Location : Glow SPP11 Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498740-1

TESTING
No.0042

Page 2 of 3

Sample No. 22135531-19
Parameter เสียงรบกวน
Location West Fence (GPS 47P 0731650, 1438138)
Measurement Date Nov 12 - 13, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01222716

| เวลา | เสียงจากแหล่งกำเนิด | เสียงรบกวนไม่มีการรบกวน | ระดับเสียง (dBA) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงรบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-------------------------|------------------|------------|----------------------------|---------|------------|------------------|
| | | | ผลต่างระดับเสียง | ค่าปรับค่า | กลางวัน | กลางคืน | | |
| 12:15 AM - 12:20 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 12:20 AM - 12:25 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 12:25 AM - 12:30 AM | 61.8 | 61.9 | -0.1 | 7.0 | - | 57.8 | 61.5 | -3.7 |
| 12:30 AM - 12:35 AM | 61.8 | 61.9 | -0.1 | 7.0 | - | 57.8 | 61.5 | -3.7 |
| 12:35 AM - 12:40 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 12:40 AM - 12:45 AM | 61.9 | 61.9 | 0.0 | 7.0 | - | 57.9 | 61.5 | -3.6 |
| 12:45 AM - 12:50 AM | 62.5 | 61.9 | 0.6 | 7.0 | - | 58.5 | 61.5 | -3.0 |
| 12:50 AM - 12:55 AM | 63.0 | 61.9 | 1.1 | 7.0 | - | 59.0 | 61.5 | -2.5 |
| 12:55 AM - 01:00 AM | 62.9 | 61.9 | 1.0 | 7.0 | - | 58.9 | 61.5 | -2.6 |
| 01:00 AM - 01:05 AM | 63.2 | 61.9 | 1.3 | 7.0 | - | 59.2 | 61.5 | -2.3 |
| 01:05 AM - 01:10 AM | 63.8 | 61.9 | 1.9 | 4.5 | - | 62.3 | 61.5 | 0.8 |
| 01:10 AM - 01:15 AM | 64.4 | 61.9 | 2.5 | 3.0 | - | 64.4 | 61.5 | 2.9 |
| 01:15 AM - 01:20 AM | 69.3 | 61.9 | 7.4 | 1.0 | - | 71.3 | 61.5 | 9.8 |
| 01:20 AM - 01:25 AM | 68.9 | 61.9 | 7.0 | 1.0 | - | 70.9 | 61.5 | 9.4 |
| 01:25 AM - 01:30 AM | 63.4 | 61.9 | 1.5 | 4.5 | - | 61.9 | 61.5 | 0.4 |
| 01:30 AM - 01:35 AM | 63.4 | 61.9 | 1.5 | 4.5 | - | 61.9 | 61.5 | 0.4 |
| 01:35 AM - 01:40 AM | 63.7 | 61.9 | 1.8 | 4.5 | - | 62.2 | 61.5 | 0.7 |
| 01:40 AM - 01:45 AM | 64.9 | 61.9 | 3.0 | 3.0 | - | 64.9 | 61.5 | 3.4 |
| 01:45 AM - 01:50 AM | 62.9 | 61.9 | 1.0 | 7.0 | - | 58.9 | 61.5 | -2.6 |
| 01:50 AM - 01:55 AM | 63.4 | 61.9 | 1.5 | 4.5 | - | 61.9 | 61.5 | 0.4 |
| 01:55 AM - 02:00 AM | 63.6 | 61.9 | 1.7 | 4.5 | - | 62.1 | 61.5 | 0.6 |
| 02:00 AM - 02:05 AM | 63.3 | 61.9 | 1.4 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 02:05 AM - 02:10 AM | 63.9 | 61.9 | 2.0 | 4.5 | - | 62.4 | 61.5 | 0.9 |
| 02:10 AM - 02:15 AM | 63.4 | 61.9 | 1.5 | 4.5 | - | 61.9 | 61.5 | 0.4 |
| 02:15 AM - 02:20 AM | 63.4 | 61.9 | 1.5 | 4.5 | - | 61.9 | 61.5 | 0.4 |
| 02:20 AM - 02:25 AM | 63.0 | 61.9 | 1.1 | 7.0 | - | 59.0 | 61.5 | -2.5 |
| 02:25 AM - 02:30 AM | 63.5 | 61.9 | 1.6 | 4.5 | - | 62.0 | 61.5 | 0.5 |
| 02:30 AM - 02:35 AM | 63.9 | 61.9 | 2.0 | 4.5 | - | 62.4 | 61.5 | 0.9 |
| 02:35 AM - 02:40 AM | 64.1 | 61.9 | 2.2 | 4.5 | - | 62.6 | 61.5 | 1.1 |
| 02:40 AM - 02:45 AM | 63.2 | 61.9 | 1.3 | 7.0 | - | 59.2 | 61.5 | -2.3 |
| 02:45 AM - 02:50 AM | 64.6 | 61.9 | 3.7 | 1.0 | - | 64.6 | 61.5 | 3.1 |
| 02:50 AM - 02:55 AM | 62.4 | 61.9 | 0.5 | 7.0 | - | 58.4 | 61.5 | -3.1 |
| 02:55 AM - 03:00 AM | 61.9 | 61.9 | 0.0 | 7.0 | - | 57.9 | 61.5 | -3.6 |
| 03:00 AM - 03:05 AM | 61.9 | 61.9 | 0.0 | 7.0 | - | 57.9 | 61.5 | -3.6 |
| 03:05 AM - 03:10 AM | 62.0 | 61.9 | 0.1 | 7.0 | - | 58.0 | 61.5 | -3.5 |
| 03:10 AM - 03:15 AM | 63.3 | 61.9 | 1.4 | 7.0 | - | 59.3 | 61.5 | -2.2 |
| 03:15 AM - 03:20 AM | 62.7 | 61.9 | 0.8 | 7.0 | - | 58.7 | 61.5 | -2.8 |
| 03:20 AM - 03:25 AM | 62.3 | 61.9 | 0.4 | 7.0 | - | 58.3 | 61.5 | -3.2 |
| 03:25 AM - 03:30 AM | 65.0 | 61.9 | 3.1 | 3.0 | - | 65.0 | 61.5 | 3.5 |
| 03:30 AM - 03:35 AM | 61.9 | 61.9 | 0.0 | 7.0 | - | 57.9 | 61.5 | -3.6 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Maypyanghon, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1
Sample No. : 22135531-20
Parameter : เสียงรบกวน
Location : West Fence (GPS 47P 0731650, 1438138)
Measurement Date : Nov 13 - 14, 2022
Measurement by : Ronnachai Moungma
Sound Level Meter : 01222716

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498741-1

| เวลา | เสียงจากแหล่งกำเนิด | | เสียงรบกวน | ค่าปรับ | เสียงที่ฐานการกักกัน | |
|---------------------|---------------------|------------|------------|---------|----------------------|---------|
| | เสียงจากแหล่งกำเนิด | เสียงรบกวน | | | เสียงที่ฐานการกักกัน | ค่าปรับ |
| 12:15 AM - 12:20 AM | 62.8 | 61.9 | 0.9 | 7.0 | 58.8 | 61.5 |
| 12:20 AM - 12:25 AM | 62.4 | 61.9 | 0.5 | 7.0 | 58.4 | 61.5 |
| 12:25 AM - 12:30 AM | 62.2 | 61.9 | 0.3 | 7.0 | 58.2 | 61.5 |
| 12:30 AM - 12:35 AM | 63.0 | 61.9 | 1.1 | 7.0 | 59.0 | 61.5 |
| 12:35 AM - 12:40 AM | 64.6 | 61.9 | 2.7 | 3.0 | 64.6 | 61.5 |
| 12:40 AM - 12:45 AM | 63.0 | 61.9 | 1.1 | 7.0 | 59.0 | 61.5 |
| 12:45 AM - 12:50 AM | 64.1 | 61.9 | 2.2 | 4.5 | 62.5 | 61.5 |
| 12:50 AM - 12:55 AM | 63.8 | 61.9 | 1.9 | 4.5 | 62.3 | 61.5 |
| 12:55 AM - 01:00 AM | 61.9 | 61.9 | 0.0 | 7.0 | 57.9 | 61.5 |
| 01:00 AM - 01:05 AM | 62.7 | 61.9 | 0.8 | 7.0 | 58.0 | 61.5 |
| 01:05 AM - 01:10 AM | 62.0 | 61.9 | 0.1 | 7.0 | 57.9 | 61.5 |
| 01:10 AM - 01:15 AM | 65.1 | 61.9 | 3.2 | 3.0 | 65.1 | 61.5 |
| 01:15 AM - 01:20 AM | 63.9 | 61.9 | 2.0 | 4.5 | 62.4 | 61.5 |
| 01:20 AM - 01:25 AM | 64.4 | 61.9 | 2.5 | 3.0 | 64.4 | 61.5 |
| 01:25 AM - 01:30 AM | 64.0 | 61.9 | 2.1 | 4.5 | 62.5 | 61.5 |
| 01:30 AM - 01:35 AM | 63.6 | 61.9 | 1.7 | 4.5 | 62.1 | 61.5 |
| 01:35 AM - 01:40 AM | 64.8 | 61.9 | 2.9 | 3.0 | 64.8 | 61.5 |
| 01:40 AM - 01:45 AM | 64.2 | 61.9 | 2.3 | 4.5 | 62.7 | 61.5 |
| 01:45 AM - 01:50 AM | 62.7 | 61.9 | 0.8 | 7.0 | 58.7 | 61.5 |
| 01:50 AM - 01:55 AM | 62.4 | 61.9 | 0.5 | 7.0 | 58.4 | 61.5 |
| 01:55 AM - 02:00 AM | 63.3 | 61.9 | 1.4 | 7.0 | 59.3 | 61.5 |
| 02:00 AM - 02:05 AM | 63.8 | 61.9 | 1.9 | 4.5 | 62.3 | 61.5 |
| 02:05 AM - 02:10 AM | 62.3 | 61.9 | 0.4 | 7.0 | 58.3 | 61.5 |
| 02:10 AM - 02:15 AM | 63.1 | 61.9 | 1.2 | 7.0 | 59.1 | 61.5 |
| 02:15 AM - 02:20 AM | 64.5 | 61.9 | 2.6 | 3.0 | 64.5 | 61.5 |
| 02:20 AM - 02:25 AM | 63.2 | 61.9 | 1.3 | 7.0 | 59.2 | 61.5 |
| 02:25 AM - 02:30 AM | 62.9 | 61.9 | 1.0 | 7.0 | 58.9 | 61.5 |
| 02:30 AM - 02:35 AM | 62.2 | 61.9 | 0.3 | 7.0 | 58.2 | 61.5 |
| 02:35 AM - 02:40 AM | 62.4 | 61.9 | 0.5 | 7.0 | 58.4 | 61.5 |
| 02:40 AM - 02:45 AM | 62.2 | 61.9 | 0.3 | 7.0 | 58.2 | 61.5 |
| 02:45 AM - 02:50 AM | 61.9 | 61.9 | 0.0 | 7.0 | 57.9 | 61.5 |
| 02:50 AM - 02:55 AM | 61.9 | 61.9 | 0.0 | 7.0 | 57.9 | 61.5 |
| 02:55 AM - 03:00 AM | 61.4 | 61.9 | -0.5 | 7.0 | 57.4 | 61.5 |
| 03:00 AM - 03:05 AM | 61.9 | 61.9 | 0.0 | 7.0 | 57.9 | 61.5 |
| 03:05 AM - 03:10 AM | 62.4 | 61.9 | 0.5 | 7.0 | 58.4 | 61.5 |
| 03:10 AM - 03:15 AM | 62.7 | 61.9 | 0.8 | 7.0 | 58.7 | 61.5 |
| 03:15 AM - 03:20 AM | 64.4 | 61.9 | 2.5 | 3.0 | 64.4 | 61.5 |
| 03:20 AM - 03:25 AM | 63.8 | 61.9 | 1.9 | 4.5 | 62.3 | 61.5 |
| 03:25 AM - 03:30 AM | 62.7 | 61.9 | 0.8 | 7.0 | 58.7 | 61.5 |
| 03:30 AM - 03:35 AM | 62.1 | 61.9 | 0.2 | 7.0 | 58.1 | 61.5 |

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Approved by

Wilawan Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Maypyanghon, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1
Sample No. : 22135531-21
Parameter : เสียงรบกวน
Location : Moo 3 Maypyanghon (N1) (GPS 47P 0731180, 1438325)
Measurement Date : Nov 09 - 10, 2022
Measurement by : Ronnachai Moungma
Sound Level Meter : 01122567

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498742-1

| เวลา | เสียงจากแหล่งกำเนิด | | เสียงรบกวน | ค่าปรับ | เสียงที่ฐานการกักกัน | |
|---------------------|---------------------|------------|------------|---------|----------------------|---------|
| | เสียงจากแหล่งกำเนิด | เสียงรบกวน | | | เสียงที่ฐานการกักกัน | ค่าปรับ |
| 10:00 AM - 11:00 AM | 56.1 | 59.5 | -3.4 | 7.0 | 49.1 | - |
| 11:00 AM - 12:00 PM | 54.5 | 59.5 | -5.0 | 7.0 | 47.5 | - |
| 12:00 PM - 01:00 PM | 57.0 | 59.5 | -2.5 | 7.0 | 50.0 | - |
| 01:00 PM - 02:00 PM | 56.0 | 59.5 | -3.5 | 7.0 | 49.0 | - |
| 02:00 PM - 03:00 PM | 55.3 | 59.5 | -4.2 | 7.0 | 48.3 | - |
| 03:00 PM - 04:00 PM | 55.5 | 59.5 | -4.0 | 7.0 | 48.5 | - |
| 04:00 PM - 05:00 PM | 54.6 | 59.5 | -4.9 | 7.0 | 47.6 | - |
| 05:00 PM - 06:00 PM | 60.8 | 59.5 | 1.3 | 7.0 | 53.8 | - |
| 06:00 PM - 07:00 PM | 62.4 | 59.5 | 2.9 | 3.0 | 59.4 | - |
| 07:00 PM - 08:00 PM | 62.9 | 59.5 | 3.4 | 3.0 | 59.9 | - |
| 08:00 PM - 09:00 PM | 64.4 | 59.5 | 4.9 | 1.5 | 62.9 | - |
| 09:00 PM - 10:00 PM | 61.7 | 59.5 | 2.2 | 4.5 | 57.2 | - |
| 10:00 PM - 10:05 PM | 60.4 | 56.3 | 4.1 | 2.0 | 61.4 | 54.1 |
| 10:05 PM - 10:10 PM | 56.6 | 56.3 | 0.3 | 7.0 | 52.6 | 54.1 |
| 10:10 PM - 10:15 PM | 61.3 | 56.3 | 5.0 | 1.5 | 62.8 | 54.1 |
| 10:15 PM - 10:20 PM | 58.3 | 56.3 | 2.0 | 4.5 | 56.8 | 54.1 |
| 10:20 PM - 10:25 PM | 59.2 | 56.3 | 2.9 | 3.0 | 59.2 | 54.1 |
| 10:25 PM - 10:30 PM | 60.6 | 56.3 | 4.3 | 2.0 | 61.6 | 54.1 |
| 10:30 PM - 10:35 PM | 58.1 | 56.3 | 1.8 | 7.0 | 56.6 | 54.1 |
| 10:35 PM - 10:40 PM | 58.3 | 56.3 | 2.0 | 4.5 | 56.8 | 54.1 |
| 10:40 PM - 10:45 PM | 58.8 | 56.3 | 2.5 | 3.0 | 58.8 | 54.1 |
| 10:45 PM - 10:50 PM | 57.4 | 56.3 | 1.1 | 7.0 | 54.5 | 54.1 |
| 10:50 PM - 10:55 PM | 56.5 | 56.3 | 0.2 | 7.0 | 52.5 | 54.1 |
| 10:55 PM - 11:00 PM | 58.5 | 56.3 | 2.2 | 4.5 | 57.0 | 54.1 |
| 11:00 PM - 11:05 PM | 57.5 | 56.3 | 1.2 | 7.0 | 53.5 | 54.1 |
| 11:05 PM - 11:10 PM | 56.7 | 56.3 | 0.4 | 7.0 | 52.7 | 54.1 |
| 11:10 PM - 11:15 PM | 57.7 | 56.3 | 1.4 | 7.0 | 53.7 | 54.1 |
| 11:15 PM - 11:20 PM | 57.8 | 56.3 | 1.5 | 4.5 | 56.3 | 54.1 |
| 11:20 PM - 11:25 PM | 56.8 | 56.3 | 0.5 | 7.0 | 52.8 | 54.1 |
| 11:25 PM - 11:30 PM | 56.5 | 56.3 | 0.2 | 7.0 | 52.5 | 54.1 |
| 11:30 PM - 11:35 PM | 58.2 | 56.3 | 1.9 | 4.5 | 56.7 | 54.1 |
| 11:35 PM - 11:40 PM | 63.5 | 56.3 | 7.2 | 1.0 | 65.5 | 54.1 |
| 11:40 PM - 11:45 PM | 63.0 | 56.3 | 6.7 | 1.0 | 65.0 | 54.1 |
| 11:45 PM - 11:50 PM | 64.7 | 56.3 | 8.4 | 0.5 | 67.2 | 54.1 |
| 11:50 PM - 11:55 PM | 63.6 | 56.3 | 7.3 | 1.0 | 65.6 | 54.1 |
| 11:55 PM - 12:00 AM | 64.2 | 56.3 | 7.9 | 0.5 | 66.7 | 54.1 |
| 12:00 AM - 12:05 AM | 62.5 | 56.3 | 6.2 | 1.5 | 64.0 | 54.1 |
| 12:05 AM - 12:10 AM | 64.0 | 56.3 | 7.7 | 0.5 | 66.5 | 54.1 |
| 12:10 AM - 12:15 AM | 61.9 | 56.3 | 5.6 | 1.5 | 63.4 | 54.1 |
| 12:15 AM - 12:20 AM | 63.3 | 56.3 | 7.0 | 1.0 | 65.3 | 54.1 |

The above results are valid only for the product tested (sample) as indicated in this report. No part of this report or certificate may be reproduced or any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Maypyanghon, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1
Sample No. : 22135531-20
Parameter : เสียงรบกวน
Location : West Fence (GPS 47P 0731650, 1438138)
Measurement Date : Nov 13 - 14, 2022
Measurement by : Ronnachai Moungma
Sound Level Meter : 01222716

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498741-1

| เวลา | เสียงจากแหล่งกำเนิด | | เสียงรบกวน | ค่าปรับ | เสียงที่ฐานการกักกัน | |
|---------------------|---------------------|------------|------------|---------|----------------------|---------|
| | เสียงจากแหล่งกำเนิด | เสียงรบกวน | | | เสียงที่ฐานการกักกัน | ค่าปรับ |
| 03:35 AM - 03:40 AM | 62.9 | 61.9 | 1.0 | 7.0 | 58.9 | 61.5 |
| 03:40 AM - 03:45 AM | 62.7 | 61.9 | 0.8 | 7.0 | 58.7 | 61.5 |
| 03:45 AM - 03:50 AM | 62.1 | 61.9 | 0.2 | 7.0 | 58.1 | 61.5 |
| 03:50 AM - 03:55 AM | 65.0 | 61.9 | 3.1 | 3.0 | 65.0 | 61.5 |
| 03:55 AM - 04:00 AM | 63.3 | 61.9 | 1.4 | 7.0 | 59.3 | 61.5 |
| 04:00 AM - 04:05 AM | 62.1 | 61.9 | 0.2 | 7.0 | 58.1 | 61.5 |
| 04:05 AM - 04:10 AM | 61.8 | 61.9 | -0.1 | 7.0 | 57.8 | 61.5 |
| 04:10 AM - 04:15 AM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 |
| 04:15 AM - 04:20 AM | 62.5 | 61.9 | 0.6 | 7.0 | 58.5 | 61.5 |
| 04:20 AM - 04:25 AM | 61.6 | 61.9 | -0.3 | 7.0 | 57.6 | 61.5 |
| 04:25 AM - 04:30 AM | 61.8 | 61.9 | -0.1 | 7.0 | 57.8 | 61.5 |
| 04:30 AM - 04:35 AM | 61.7 | 61.9 | -0.2 | 7.0 | 57.7 | 61.5 |
| 04:35 AM - 04:40 AM | 61.9 | 61.9 | 0.0 | 7.0 | 57.9 | 61.5 |
| 04:40 AM - 04:45 AM | 62.2 | 61.9 | 0.3 | 7.0 | 58.2 | 61.5 |
| 04:45 AM - 04:50 AM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 |
| 04:50 AM - 04:55 AM | 62.2 | 61.9 | 0.3 | 7.0 | 58.2 | 61.5 |
| 04:55 AM - 05:00 AM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 |
| 05:00 AM - 05:05 AM | 62.1 | 61.9 | 0.2 | 7.0 | 58.1 | 61.5 |
| 05:05 AM - 05:10 AM | 61.9 | 61.9 | 0.0 | 7.0 | 57.9 | 61.5 |
| 05:10 AM - 05:15 AM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 |
| 05:15 AM - 05:20 AM | 62.2 | 61.9 | 0.3 | 7.0 | 58.2 | 61.5 |
| 05:20 AM - 05:25 AM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 |
| 05:25 AM - 05:30 AM | 62.1 | 61.9 | 0.2 | 7.0 | 58.1 | 61.5 |
| 05:30 AM - 05:35 AM | 62.0 | 61.9 | 0.1 | 7.0 | 58.0 | 61.5 |
| 05:35 AM - 05:40 AM | 61.8 | 61.9 | -0.1 | 7.0 | 57.8 | 61.5 |
| 05:40 AM - 05:45 AM | 61.8 | 61.9 | -0.1 | 7.0 | 57.8 | 61.5 |
| 05:45 AM - 05:50 AM | 61.8 | 61.9 | -0.1 | 7.0 | 57.8 | 61.5 |
| 05:50 AM - 05:55 AM | 61.8 | 61.9 | -0.1 | 7.0 | 57.8 | 61.5 |
| 05:55 AM - 06:00 AM | 61.9 | 61.9 | 0.0 | 7.0 | 57.9 | 61.5 |
| 06:00 AM - 07:00 AM | 62.0 | 62.0 | 0.0 | 7.0 | 55.0 | - |
| 07:00 AM - 08:00 AM | 62.6 | 62.0 | 0.6 | 7.0 | 55.6 | 61.2 |
| 08:00 AM - 09:00 AM | 62.0 | 62.0 | 0.0 | 7.0 | 55.0 | 61.2 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

หมายเหตุ

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่วัดได้จากอุปกรณ์การจราจร พ.ศ. 2548
- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่วัดได้จากอุปกรณ์การจราจร พ.ศ. 2553
- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่วัดได้จากอุปกรณ์การจราจร พ.ศ. 2561

ระดับเสียงรบกวนจากแหล่งกำเนิด : 09-10 ชั่วโมง : 2565
ระดับเสียงรบกวนและระดับเสียงรบกวน : (ข้อมูลจากเอกสารการจราจรและขนส่งของกรม (EIA) พ.ศ. 2557 ที่ตรวจวัด 07-10 ชั่วโมง : 2557)

The above results are valid only for the product tested (sample) as indicated in this report. No part of this report or certificate may be reproduced or any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Maypyanghon, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1
Sample No. : 22135531-21
Parameter : เสียงรบกวน
Location : Moo 3 Maypyanghon (N1) (GPS 47P 0731180, 1438325)
Measurement Date : Nov 09 - 10, 2022
Measurement by : Ronnachai Moungma
Sound Level Meter : 01122567

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498742-1

| เวลา | เสียงจากแหล่งกำเนิด | | เสียงรบกวน | ค่าปรับ | เสียงที่ฐานการกักกัน | |
|------|---------------------|------------|------------|---------|----------------------|---------|
| | เสียงจากแหล่งกำเนิด | เสียงรบกวน | | | เสียงที่ฐานการกักกัน | ค่าปรับ |



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 3, Siam Eastern Industrial Park, T. Mampangphong, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1

TESTING
No. 0042

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498742-1

Page 3 of 3

Sample No. : 22135531-21
Parameter :
Location : Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325)
Measurement Date : Nov 09 - 10, 2022
Measurement by : Ronnachai Moungma
Sound Level Meter : 01122567

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|-------------|------------------|
| | | | | | กลางวัน | กลางคืน | | |
| 03:40 AM - 03:45 AM | 49.1 | 56.3 | -7.2 | 7.0 | - | 45.1 | 54.1 | -9.0 |
| 03:45 AM - 03:50 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 03:50 AM - 03:55 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 03:55 AM - 04:00 AM | 46.2 | 56.3 | -10.1 | 7.0 | - | 42.2 | 54.1 | -11.9 |
| 04:00 AM - 04:05 AM | 46.3 | 56.3 | -9.8 | 7.0 | - | 42.3 | 54.1 | -11.6 |
| 04:05 AM - 04:10 AM | 46.9 | 56.3 | -9.4 | 7.0 | - | 42.9 | 54.1 | -11.2 |
| 04:10 AM - 04:15 AM | 47.0 | 56.3 | -9.3 | 7.0 | - | 43.0 | 54.1 | -11.1 |
| 04:15 AM - 04:20 AM | 47.3 | 56.3 | -9.0 | 7.0 | - | 43.3 | 54.1 | -10.8 |
| 04:20 AM - 04:25 AM | 47.8 | 56.3 | -8.5 | 7.0 | - | 43.8 | 54.1 | -10.3 |
| 04:25 AM - 04:30 AM | 52.3 | 56.3 | -4.0 | 7.0 | - | 48.3 | 54.1 | -5.8 |
| 04:30 AM - 04:35 AM | 46.9 | 56.3 | -9.4 | 7.0 | - | 42.9 | 54.1 | -11.2 |
| 04:35 AM - 04:40 AM | 51.2 | 56.3 | -5.1 | 7.0 | - | 47.2 | 54.1 | -6.9 |
| 04:40 AM - 04:45 AM | 48.0 | 56.3 | -8.3 | 7.0 | - | 44.0 | 54.1 | -10.1 |
| 04:45 AM - 04:50 AM | 49.9 | 56.3 | -6.4 | 7.0 | - | 45.9 | 54.1 | -8.2 |
| 04:50 AM - 04:55 AM | 49.2 | 56.3 | -7.1 | 7.0 | - | 45.2 | 54.1 | -8.9 |
| 04:55 AM - 05:00 AM | 47.6 | 56.3 | -8.4 | 7.0 | - | 43.9 | 54.1 | -10.2 |
| 05:00 AM - 05:05 AM | 47.8 | 56.3 | -8.5 | 7.0 | - | 43.8 | 54.1 | -10.3 |
| 05:05 AM - 05:10 AM | 47.5 | 56.3 | -8.8 | 7.0 | - | 43.5 | 54.1 | -10.6 |
| 05:10 AM - 05:15 AM | 49.2 | 56.3 | -7.1 | 7.0 | - | 45.2 | 54.1 | -8.9 |
| 05:15 AM - 05:20 AM | 53.6 | 56.3 | -2.7 | 7.0 | - | 49.6 | 54.1 | -4.5 |
| 05:20 AM - 05:25 AM | 66.2 | 56.3 | 9.9 | 0.5 | - | 68.7 | 54.1 | 14.6 |
| 05:25 AM - 05:30 AM | 51.9 | 56.3 | -4.4 | 7.0 | - | 47.9 | 54.1 | -6.2 |
| 05:30 AM - 05:35 AM | 52.1 | 56.3 | -4.2 | 7.0 | - | 48.1 | 54.1 | -6.0 |
| 05:35 AM - 05:40 AM | 49.4 | 56.3 | -6.9 | 7.0 | - | 45.4 | 54.1 | -8.7 |
| 05:40 AM - 05:45 AM | 52.1 | 56.3 | -4.2 | 7.0 | - | 48.1 | 54.1 | -6.0 |
| 05:45 AM - 05:50 AM | 53.2 | 56.3 | -3.1 | 7.0 | - | 49.2 | 54.1 | -4.9 |
| 05:50 AM - 05:55 AM | 52.2 | 56.3 | -4.1 | 7.0 | - | 48.2 | 54.1 | -5.9 |
| 05:55 AM - 06:00 AM | 50.2 | 56.3 | -6.1 | 7.0 | - | 46.2 | 54.1 | -7.9 |
| 06:00 AM - 07:00 AM | 56.2 | 59.5 | -3.3 | 7.0 | - | 54.5 | 59.5 | -5.3 |
| 07:00 AM - 08:00 AM | 61.4 | 59.5 | 1.9 | 4.5 | 56.9 | - | 54.5 | 2.4 |
| 08:00 AM - 09:00 AM | 62.3 | 59.5 | 2.8 | 7.0 | - | 54.5 | 59.5 | 4.8 |
| 09:00 AM - 10:00 AM | 56.6 | 59.5 | -2.9 | 7.0 | - | 54.5 | 59.5 | -4.9 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2
หมายเหตุ
1. ผลการตรวจวัดค่าการรบกวน ซึ่งกำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่คาดการณ์การรบกวนจากโรงงาน พ.ศ. 2568
2. ผลการตรวจวัดค่าการรบกวน ซึ่งกำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่คาดการณ์การรบกวนจากโรงงาน พ.ศ. 2553
3. ผลการตรวจวัดค่าการรบกวน ซึ่งกำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่คาดการณ์การรบกวนจากโรงงาน พ.ศ. 2561
ระดับเสียงจากแหล่งกำเนิด พิกัดตรวจวัด วันที่ 09-10 พฤศจิกายน 2565
ระดับเสียงที่ฐานและระดับเสียงขณะไม่มีการรบกวน (ข้อมูลการตรวจวัดการรบกวนขณะเสียงขณะ (EIA) พ.ศ. 2557 ในตารางที่ 27 ของหน้า 01 ของรายงาน 2557)

Approved by

Wilawan Borikak
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO. LTD. An ALS Limited Company

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 3, Siam Eastern Industrial Park, T. Mampangphong, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1

TESTING
No. 0042

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498743-1

Page 2 of 3

Sample No. : 22135531-22
Parameter :
Location : Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325)
Measurement Date : Nov 10 - 11, 2022
Measurement by : Ronnachai Moungma
Sound Level Meter : 01122567

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|-------------|------------------|
| | | | | | กลางวัน | กลางคืน | | |
| 12:20 AM - 12:25 AM | 48.5 | 56.3 | -7.8 | 7.0 | - | 44.5 | 54.1 | -9.6 |
| 12:25 AM - 12:30 AM | 48.7 | 56.3 | -7.6 | 7.0 | - | 44.7 | 54.1 | -9.4 |
| 12:30 AM - 12:35 AM | 48.1 | 56.3 | -8.2 | 7.0 | - | 44.1 | 54.1 | -10.0 |
| 12:35 AM - 12:40 AM | 59.7 | 56.3 | 3.4 | 3.0 | - | 59.7 | 54.1 | 5.6 |
| 12:40 AM - 12:45 AM | 49.6 | 56.3 | -6.7 | 7.0 | - | 45.6 | 54.1 | -8.5 |
| 12:45 AM - 12:50 AM | 51.9 | 56.3 | -4.4 | 7.0 | - | 47.9 | 54.1 | -6.2 |
| 12:50 AM - 12:55 AM | 49.9 | 56.3 | -6.4 | 7.0 | - | 45.9 | 54.1 | -8.2 |
| 12:55 AM - 01:00 AM | 48.3 | 56.3 | -8.0 | 7.0 | - | 44.3 | 54.1 | -9.8 |
| 01:00 AM - 01:05 AM | 47.5 | 56.3 | -8.8 | 7.0 | - | 43.5 | 54.1 | -10.6 |
| 01:05 AM - 01:10 AM | 47.9 | 56.3 | -8.4 | 7.0 | - | 43.9 | 54.1 | -10.2 |
| 01:10 AM - 01:15 AM | 50.8 | 56.3 | -5.5 | 7.0 | - | 46.8 | 54.1 | -7.3 |
| 01:15 AM - 01:20 AM | 53.0 | 56.3 | -3.3 | 7.0 | - | 49.0 | 54.1 | -5.1 |
| 01:20 AM - 01:25 AM | 46.9 | 56.3 | -9.4 | 7.0 | - | 42.9 | 54.1 | -11.2 |
| 01:25 AM - 01:30 AM | 48.7 | 56.3 | -7.6 | 7.0 | - | 44.7 | 54.1 | -9.4 |
| 01:30 AM - 01:35 AM | 47.3 | 56.3 | -8.0 | 7.0 | - | 43.3 | 54.1 | -10.8 |
| 01:35 AM - 01:40 AM | 47.5 | 56.3 | -8.8 | 7.0 | - | 43.5 | 54.1 | -10.6 |
| 01:40 AM - 01:45 AM | 46.7 | 56.3 | -9.6 | 7.0 | - | 42.7 | 54.1 | -11.4 |
| 01:45 AM - 01:50 AM | 45.8 | 56.3 | -10.5 | 7.0 | - | 41.8 | 54.1 | -12.3 |
| 01:50 AM - 01:55 AM | 45.9 | 56.3 | -10.4 | 7.0 | - | 41.9 | 54.1 | -12.2 |
| 01:55 AM - 02:00 AM | 45.5 | 56.3 | -10.8 | 7.0 | - | 41.5 | 54.1 | -12.6 |
| 02:00 AM - 02:05 AM | 45.5 | 56.3 | -10.8 | 7.0 | - | 41.5 | 54.1 | -12.6 |
| 02:05 AM - 02:10 AM | 50.3 | 56.3 | -6.0 | 7.0 | - | 46.3 | 54.1 | -7.8 |
| 02:10 AM - 02:15 AM | 45.7 | 56.3 | -10.6 | 7.0 | - | 41.7 | 54.1 | -12.4 |
| 02:15 AM - 02:20 AM | 53.7 | 56.3 | -2.6 | 7.0 | - | 49.7 | 54.1 | -4.4 |
| 02:20 AM - 02:25 AM | 44.7 | 56.3 | -11.6 | 7.0 | - | 40.7 | 54.1 | -13.4 |
| 02:25 AM - 02:30 AM | 50.4 | 56.3 | -5.9 | 7.0 | - | 46.4 | 54.1 | -7.7 |
| 02:30 AM - 02:35 AM | 51.3 | 56.3 | -5.0 | 7.0 | - | 47.3 | 54.1 | -6.8 |
| 02:35 AM - 02:40 AM | 56.7 | 56.3 | 0.4 | 7.0 | - | 52.7 | 54.1 | -1.4 |
| 02:40 AM - 02:45 AM | 47.9 | 56.3 | -8.4 | 7.0 | - | 43.9 | 54.1 | -10.2 |
| 02:45 AM - 02:50 AM | 45.3 | 56.3 | -11.0 | 7.0 | - | 41.3 | 54.1 | -12.8 |
| 02:50 AM - 02:55 AM | 45.5 | 56.3 | -10.8 | 7.0 | - | 41.5 | 54.1 | -12.6 |
| 02:55 AM - 03:00 AM | 46.0 | 56.3 | -10.3 | 7.0 | - | 42.0 | 54.1 | -12.1 |
| 03:00 AM - 03:05 AM | 46.0 | 56.3 | -10.3 | 7.0 | - | 42.0 | 54.1 | -12.1 |
| 03:05 AM - 03:10 AM | 45.4 | 56.3 | -10.9 | 7.0 | - | 41.4 | 54.1 | -12.7 |
| 03:10 AM - 03:15 AM | 46.5 | 56.3 | -9.8 | 7.0 | - | 42.5 | 54.1 | -11.6 |
| 03:15 AM - 03:20 AM | 46.6 | 56.3 | -9.7 | 7.0 | - | 42.6 | 54.1 | -11.5 |
| 03:20 AM - 03:25 AM | 46.6 | 56.3 | -9.7 | 7.0 | - | 42.6 | 54.1 | -11.5 |
| 03:25 AM - 03:30 AM | 47.0 | 56.3 | -9.3 | 7.0 | - | 43.0 | 54.1 | -11.1 |
| 03:30 AM - 03:35 AM | 51.0 | 56.3 | -5.3 | 7.0 | - | 47.0 | 54.1 | -7.1 |
| 03:35 AM - 03:40 AM | 54.6 | 56.3 | -1.7 | 7.0 | - | 50.6 | 54.1 | -3.5 |

Approved by

Wilawan Borikak
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO. LTD. An ALS Limited Company

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 3, Siam Eastern Industrial Park, T. Mampangphong, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1

TESTING
No. 0042

Lot ID: 22135533
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498743-1

Page 1 of 3

Sample No. : 22135533-22
Parameter :
Location : Moo 3 Mabyangporm (N1) (GPS 47P 0731180, 1438325)
Measurement Date : Nov 10 - 11, 2022
Measurement by : Ronnachai Moungma
Sound Level Meter : 01122567

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|-------------|------------------|
| | | | | | กลางวัน | กลางคืน | | |
| 10:00 AM - 11:00 AM | 56.5 | 59.5 | -3.0 | 7.0 | 49.5 | - | 54.5 | -5.0 |
| 11:00 AM - 12:00 PM | 56.9 | 59.5 | -2.6 | 7.0 | 49.9 | - | 54.5 | -4.6 |
| 12:00 PM - 01:00 PM | 56.0 | 59.5 | -3.5 | 7.0 | 49.0 | - | 54.5 | -5.5 |
| 01:00 PM - 02:00 PM | 51.7 | 59.5 | -7.8 | 7.0 | 44.7 | - | 54.5 | -9.8 |
| 02:00 PM - 03:00 PM | 51.9 | 59.5 | -7.6 | 7.0 | 44.9 | - | 54.5 | -9.6 |
| 03:00 PM - 04:00 PM | 55.0 | 59.5 | -4.5 | 7.0 | 48.0 | - | 54.5 | -6.5 |
| 04:00 PM - 05:00 PM | 57.9 | 59.5 | -1.6 | 7.0 | 50.9 | - | 54.5 | -3.6 |
| 05:00 PM - 06:00 PM | 61.2 | 59.5 | 1.7 | 4.5 | 56.7 | - | 54.5 | 2.2 |
| 06:00 PM - 07:00 PM | 59.9 | 59.5 | 0.4 | 7.0 | 52.0 | - | 54.5 | -1.6 |
| 07:00 PM - 08:00 PM | 59.9 | 59.5 | 0.4 | 7.0 | 52.0 | - | 54.5 | -1.6 |
| 08:00 PM - 09:00 PM | 62.5 | 59.5 | 3.0 | 3.0 | 59.5 | - | 54.5 | 5.0 |
| 09:00 PM - 10:00 PM | 63.9 | 59.5 | 4.4 | 2.0 | 61.9 | - | 54.5 | 7.4 |
| 10:00 PM - 10:05 PM | 59.8 | 56.3 | 3.5 | 2.0 | - | 60.8 | 54.1 | 6.7 |
| 10:05 PM - 10:10 PM | 50.1 | 56.3 | -6.2 | 7.0 | - | 46.1 | 54.1 | -8.0 |
| 10:10 PM - 10:15 PM | 51.4 | 56.3 | -4.9 | 7.0 | - | 47.4 | 54.1 | -6.7 |
| 10:15 PM - 10:20 PM | 62.2 | 56.3 | 5.9 | 1.5 | - | 63.7 | 54.1 | 9.6 |
| 10:20 PM - 10:25 PM | 53.9 | 56.3 | -2.4 | 7.0 | - | 49.9 | 54.1 | -4.2 |
| 10:25 PM - 10:30 PM | 52.2 | 56.3 | -4.1 | 7.0 | - | 48.2 | 54.1 | -5.9 |
| 10:30 PM - 10:35 PM | 50.9 | 56.3 | -5.4 | 7.0 | - | 46.9 | 54.1 | -7.2 |
| 10:35 PM - 10:40 PM | 50.1 | 56.3 | -6.2 | 7.0 | - | 46.1 | 54.1 | -8.0 |
| 10:40 PM - 10:45 PM | 58.4 | 56.3 | 2.1 | 4.5 | - | 56.9 | 54.1 | 2.8 |
| 10:45 PM - 10:50 PM | 49.4 | 56.3 | -6.9 | 7.0 | - | 45.4 | 54.1 | -8.7 |
| 10:50 PM - 10:55 PM | 52.4 | 56.3 | -3.9 | 7.0 | - | 48.4 | 54.1 | -5.7 |
| 10:55 PM - 11:00 PM | 51.9 | 56.3 | -4.4 | 7.0 | - | 47.9 | 54.1 | -6.2 |
| 11:00 PM - 11:05 PM | 48.6 | 56.3 | -7.7 | 7.0 | - | 44.6 | 54.1 | -9.5 |
| 11:05 PM - 11:10 PM | 48.8 | 56.3 | -7.5 | 7.0 | - | 44.8 | 54.1 | -9.3 |
| 11:10 PM - 11:15 PM | 50.7 | 56.3 | -5.6 | 7.0 | - | 46.7 | 54.1 | -7.4 |
| 11:15 PM - 11:20 PM | 49.6 | 56.3 | -6.7 | 7.0 | - | 45.6 | 54.1 | -8.5 |
| 11:20 PM - 11:25 PM | 49.4 | 56.3 | -6.9 | 7.0 | - | 45.4 | 54.1 | -8.7 |
| 11:25 PM - 11:30 PM | 49.2 | 56.3 | -7.1 | 7.0 | - | 45.2 | 54.1 | -8.9 |
| 11:30 PM - 11:35 PM | 52.1 | 56.3 | -4.2 | 7.0 | - | 48.1 | 54.1 | -6.0 |
| 11:35 PM - 11:40 PM | 49.5 | 56.3 | -6.8 | 7.0 | - | 45.5 | 54.1 | -8.6 |
| 11:40 PM - 11:45 PM | 51.8 | 56.3 | -4.5 | 7.0 | - | 47.8 | 54.1 | -6.2 |
| 11:45 PM - 11:50 PM | 54.4 | 56.3 | -1.9 | 7.0 | - | 46.4 | 54.1 | -7.3 |
| 11:50 PM - 11:55 PM | 51.3 | 56.3 | -5.0 | 7.0 | - | 47.3 | 54.1 | -6.8 |
| 11:55 PM - 12:00 AM | 60.5 | 56.3 | 4.2 | 2.0 | - | 61.5 | 54.1 | 7.4 |
| 12:00 AM - 12:05 AM | 60.3 | 56.3 | 4.0 | 7.0 | - | 46.3 | 54.1 | -7.8 |
| 12:05 AM - 12:10 AM | 49.1 | 56.3 | -7.2 | 7.0 | - | 45.1 | 54.1 | -9.0 |
| 12:10 AM - 12:15 AM | 48.6 | 56.3 | -7.7 | 7.0 | - | 44.6 | 54.1 | -9.5 |
| 12:15 AM - 12:20 AM | 50.1 | 56.3 | -6.2 | 7.0 | - | 46.1 | 54.1 | -8.0 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mayyaphongon, A. Phakdaeng, Rayong
Thailand 21140

P/O : GLOW-OM-22-103

Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531-23
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498744-1

Page 1 of 3

Sample No. 22135531-23
Parameter เลืองสว่าง
Location Moo 3 Mabyangpon (N1) (GPS 47P 0731180, 1438325)
Measurement Date Nov 11 - 12, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122567

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่รบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|---------------|------------------|
| | | | | | กลางวัน | กลางคืน | | |
| 10:00 AM - 11:00 AM | 53.7 | 59.5 | -5.8 | 7.0 | 46.7 | - | 54.5 | -7.8 |
| 11:00 AM - 12:00 PM | 55.1 | 59.5 | -4.4 | 7.0 | 48.1 | - | 54.5 | -6.4 |
| 12:00 PM - 01:00 PM | 53.5 | 59.5 | -6.0 | 7.0 | 46.5 | - | 54.5 | -8.0 |
| 01:00 PM - 02:00 PM | 55.1 | 59.5 | -4.4 | 7.0 | 48.1 | - | 54.5 | -6.4 |
| 02:00 PM - 03:00 PM | 57.6 | 59.5 | -1.9 | 7.0 | 50.6 | - | 54.5 | -3.9 |
| 03:00 PM - 04:00 PM | 56.5 | 59.5 | -3.0 | 7.0 | 49.5 | - | 54.5 | -5.0 |
| 04:00 PM - 05:00 PM | 66.5 | 59.5 | 7.0 | 1.0 | 65.5 | - | 54.5 | 11.0 |
| 05:00 PM - 06:00 PM | 61.7 | 59.5 | 2.2 | 4.5 | 57.2 | - | 54.5 | 2.7 |
| 06:00 PM - 07:00 PM | 62.1 | 59.5 | 2.6 | 3.0 | 59.1 | - | 54.5 | 4.6 |
| 07:00 PM - 08:00 PM | 58.9 | 59.5 | -0.6 | 7.0 | 51.9 | - | 54.5 | -2.6 |
| 08:00 PM - 09:00 PM | 60.5 | 59.5 | 1.0 | 7.0 | 53.5 | - | 54.5 | -1.0 |
| 09:00 PM - 10:00 PM | 56.4 | 59.5 | -3.1 | 7.0 | 49.4 | - | 54.5 | -5.1 |
| 10:00 PM - 10:55 PM | 49.0 | 56.3 | -7.3 | 7.0 | - | 45.0 | 54.1 | -9.1 |
| 10:55 PM - 11:05 PM | 62.9 | 56.3 | 6.6 | 1.0 | - | 64.9 | 54.1 | 10.8 |
| 11:05 PM - 11:15 PM | 63.6 | 56.3 | 7.3 | 1.0 | - | 65.6 | 54.1 | 11.5 |
| 11:15 PM - 11:25 PM | 63.2 | 56.3 | 6.9 | 1.0 | - | 65.2 | 54.1 | 11.1 |
| 11:25 PM - 11:35 PM | 65.3 | 56.3 | 9.0 | 0.5 | - | 67.8 | 54.1 | 13.7 |
| 11:35 PM - 11:45 PM | 50.4 | 56.3 | -5.9 | 7.0 | - | 46.4 | 54.1 | -7.7 |
| 11:45 PM - 11:55 PM | 53.7 | 56.3 | -2.6 | 7.0 | - | 49.7 | 54.1 | -4.4 |
| 11:55 PM - 12:00 PM | 52.3 | 56.3 | -4.0 | 7.0 | - | 48.3 | 54.1 | -5.8 |
| 12:00 PM - 12:05 PM | 50.8 | 56.3 | -5.5 | 7.0 | - | 46.8 | 54.1 | -7.3 |
| 12:05 PM - 12:15 PM | 50.1 | 56.3 | -6.2 | 7.0 | - | 46.1 | 54.1 | -8.0 |
| 12:15 PM - 12:25 PM | 52.5 | 56.3 | -3.8 | 7.0 | - | 48.5 | 54.1 | -5.6 |
| 12:25 PM - 11:00 PM | 49.5 | 56.3 | -6.8 | 7.0 | - | 45.5 | 54.1 | -8.6 |
| 11:00 PM - 11:05 PM | 59.7 | 56.3 | 3.4 | 3.0 | - | 59.7 | 54.1 | 5.6 |
| 11:05 PM - 11:10 PM | 65.1 | 56.3 | 8.8 | 0.5 | - | 67.6 | 54.1 | 13.5 |
| 11:10 PM - 11:15 PM | 47.6 | 56.3 | -8.7 | 7.0 | - | 43.6 | 54.1 | -10.5 |
| 11:15 PM - 11:20 PM | 61.7 | 56.3 | 5.4 | 1.5 | - | 63.2 | 54.1 | 9.1 |
| 11:20 PM - 11:25 PM | 49.0 | 56.3 | -7.3 | 7.0 | - | 45.0 | 54.1 | -9.1 |
| 11:25 PM - 11:30 PM | 47.1 | 56.3 | -9.0 | 7.0 | - | 43.1 | 54.1 | -10.8 |
| 11:30 PM - 11:35 PM | 52.6 | 56.3 | -3.7 | 7.0 | - | 48.6 | 54.1 | -5.5 |
| 11:35 PM - 11:40 PM | 61.3 | 56.3 | 5.0 | 1.5 | - | 62.8 | 54.1 | 8.7 |
| 11:40 PM - 11:45 PM | 50.1 | 56.3 | -6.2 | 7.0 | - | 46.1 | 54.1 | -8.0 |
| 11:45 PM - 11:50 PM | 46.8 | 56.3 | -9.5 | 7.0 | - | 42.8 | 54.1 | -11.3 |
| 11:50 PM - 11:55 PM | 47.6 | 56.3 | -8.7 | 7.0 | - | 43.6 | 54.1 | -10.5 |
| 11:55 PM - 12:00 PM | 46.9 | 56.3 | -9.4 | 7.0 | - | 42.9 | 54.1 | -11.2 |
| 12:00 AM - 12:05 AM | 47.4 | 56.3 | -8.9 | 7.0 | - | 43.4 | 54.1 | -10.7 |
| 12:05 AM - 12:10 AM | 48.1 | 56.3 | -8.2 | 7.0 | - | 44.1 | 54.1 | -10.0 |
| 12:10 AM - 12:15 AM | 48.1 | 56.3 | -8.2 | 7.0 | - | 44.1 | 54.1 | -10.0 |
| 12:15 AM - 12:20 AM | 48.6 | 56.3 | -7.7 | 7.0 | - | 44.6 | 54.1 | -9.5 |

The above results are valid only for the analyzed (tested) samples as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the laboratory. AALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibb.
Wilawan Borrik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mayyaphongon, A. Phakdaeng, Rayong
Thailand 21140

P/O : GLOW-OM-22-103

Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531-23
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498744-1

Page 3 of 3

Sample No. 22135531-23
Parameter เลืองสว่าง
Location Moo 3 Mabyangpon (N1) (GPS 47P 0731180, 1438325)
Measurement Date Nov 11 - 12, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122567

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ตัวปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่รบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|---------------|------------------|
| | | | | | กลางวัน | กลางคืน | | |
| 03:40 AM - 03:45 AM | 44.7 | 56.3 | -11.6 | 7.0 | - | 40.7 | 54.1 | -13.4 |
| 03:45 AM - 03:50 AM | 46.2 | 56.3 | -10.1 | 7.0 | - | 42.2 | 54.1 | -11.9 |
| 03:50 AM - 03:55 AM | 46.0 | 56.3 | -10.3 | 7.0 | - | 42.0 | 54.1 | -12.1 |
| 03:55 AM - 04:00 AM | 45.1 | 56.3 | -11.2 | 7.0 | - | 41.1 | 54.1 | -13.0 |
| 04:00 AM - 04:05 AM | 45.4 | 56.3 | -10.9 | 7.0 | - | 41.4 | 54.1 | -12.7 |
| 04:05 AM - 04:10 AM | 45.6 | 56.3 | -10.7 | 7.0 | - | 41.6 | 54.1 | -12.5 |
| 04:10 AM - 04:15 AM | 45.2 | 56.3 | -11.1 | 7.0 | - | 41.2 | 54.1 | -12.9 |
| 04:15 AM - 04:20 AM | 45.9 | 56.3 | -10.4 | 7.0 | - | 41.9 | 54.1 | -12.2 |
| 04:20 AM - 04:25 AM | 45.0 | 56.3 | -11.3 | 7.0 | - | 41.0 | 54.1 | -13.1 |
| 04:25 AM - 04:30 AM | 44.6 | 56.3 | -11.7 | 7.0 | - | 40.6 | 54.1 | -13.5 |
| 04:30 AM - 04:35 AM | 46.2 | 56.3 | -10.1 | 7.0 | - | 42.2 | 54.1 | -11.9 |
| 04:35 AM - 04:40 AM | 46.5 | 56.3 | -9.8 | 7.0 | - | 42.5 | 54.1 | -11.6 |
| 04:40 AM - 04:45 AM | 46.3 | 56.3 | -10.0 | 7.0 | - | 42.3 | 54.1 | -11.8 |
| 04:45 AM - 04:50 AM | 53.9 | 56.3 | -2.4 | 7.0 | - | 49.9 | 54.1 | -4.2 |
| 04:50 AM - 05:00 AM | 60.7 | 56.3 | 4.4 | 2.0 | - | 61.7 | 54.1 | 7.6 |
| 05:00 AM - 05:05 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 05:05 AM - 05:10 AM | 46.0 | 56.3 | -10.3 | 7.0 | - | 42.0 | 54.1 | -12.1 |
| 05:10 AM - 05:15 AM | 45.7 | 56.3 | -10.6 | 7.0 | - | 41.7 | 54.1 | -12.4 |
| 05:15 AM - 05:20 AM | 45.6 | 56.3 | -10.7 | 7.0 | - | 41.6 | 54.1 | -12.5 |
| 05:20 AM - 05:25 AM | 47.1 | 56.3 | -9.2 | 7.0 | - | 43.1 | 54.1 | -11.0 |
| 05:25 AM - 05:30 AM | 48.6 | 56.3 | -7.7 | 7.0 | - | 44.6 | 54.1 | -9.5 |
| 05:30 AM - 05:35 AM | 50.3 | 56.3 | -6.0 | 7.0 | - | 46.3 | 54.1 | -7.8 |
| 05:35 AM - 05:40 AM | 46.4 | 56.3 | -9.9 | 7.0 | - | 42.4 | 54.1 | -11.7 |
| 05:40 AM - 05:45 AM | 50.8 | 56.3 | -5.5 | 7.0 | - | 46.8 | 54.1 | -7.3 |
| 05:45 AM - 05:50 AM | 50.6 | 56.3 | -5.7 | 7.0 | - | 46.6 | 54.1 | -7.5 |
| 05:50 AM - 05:55 AM | 49.2 | 56.3 | -7.1 | 7.0 | - | 45.2 | 54.1 | -9.9 |
| 05:55 AM - 06:00 AM | 55.7 | 56.3 | -0.6 | 7.0 | - | 55.7 | 54.1 | -1.5 |
| 06:00 AM - 07:00 AM | 54.3 | 59.5 | -5.2 | 7.0 | 47.3 | - | 54.5 | -7.2 |
| 07:00 AM - 08:00 AM | 59.1 | 59.5 | -0.4 | 7.0 | 52.1 | - | 54.5 | -2.4 |
| 08:00 AM - 09:00 AM | 59.8 | 59.5 | 0.3 | 7.0 | 52.8 | - | 54.5 | -1.5 |
| 09:00 AM - 10:00 AM | 59.0 | 59.5 | -0.5 | 7.0 | 52.0 | - | 54.5 | -2.5 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2.

- หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง ค่ามาตรฐานเสียงจากการทำงานและระดับเสียงที่อาจก่อให้เกิดการได้ยิน พ.ศ. 2548
 2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงจากการทำงาน ระดับเสียงดัง 24 ชั่วโมง และระดับเสียงดังที่อาจก่อให้เกิดการได้ยิน พ.ศ. 2553
 3. ประกาศกระทรวงสาธารณสุข เรื่อง ค่ามาตรฐานเสียงที่อาจก่อให้เกิดการได้ยิน พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด พยายามวัดให้ใกล้เคียงกับค่าจริง (EIA) พ.ศ. 2557 ไม่ต่ำกว่า 27 พิกเซลของ 01 (ค่าตาม 2557)

The above results are valid only for the analyzed (tested) samples as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the laboratory. AALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibb.
Wilawan Borrik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.

60/19 Moo3, Siam Eastern Industrial Park, T. Mayyaphongon, A. Phakdaeng, Rayong
Thailand 21140

P/O : GLOW-OM-22-103

Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531-23
Date Received : Nov 14, 2022
Date Reported : Dec 09, 2022
Report Number : 2498744-1

Page 2 of 3

Sample No. 22135531-23
Parameter เลืองสว่าง
Location Moo 3 Mabyangpon (N1) (GPS 47P 0731180, 1438325)
Measurement Date Nov 11 - 12, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122567

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่รบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------|------------|----------------------------|---------|---------------|------------------|
| | | | ผลต่างระดับเสียง | ตัวปรับค่า | กลางวัน | กลางคืน | | |
| 12:20 AM - 12:25 AM | 47.3 | 56.3 | -9.0 | 7.0 | - | 43.3 | 54.1 | -10.8 |
| 12:25 AM - 12:30 AM | 46.4 | 56.3 | -9.9 | 7.0 | - | 42.4 | 54.1 | -11.7 |
| 12:30 AM - 12:35 AM | 46.3 | 56.3 | -10.0 | 7.0 | - | 42.3 | 54.1 | -11.8 |
| 12:35 AM - 12:40 AM | 46.9 | 56.3 | -9.4 | 7.0 | - | 42.9 | 54.1 | -11.2 |
| 12:40 AM - 12:45 AM | 46.7 | 56.3 | -9.6 | 7.0 | - | 42.7 | 54.1 | -11.4 |
| 12:45 AM - 12:50 AM | 46.7 | 56.3 | -9.6 | 7.0 | - | 42.7 | 54.1 | -11.4 |
| 12:50 AM - 12:55 AM | 47.0 | 56.3 | -9.3 | 7.0 | - | 43.0 | 54.1 | -11.1 |
| 12:55 AM - 01:00 AM | 48.7 | 56.3 | -7.6 | 7.0 | - | 44.7 | 54.1 | -9.4 |
| 01:00 AM - 01:05 AM | 46.5 | 56.3 | -9.8 | 7.0 | - | 42.5 | 54.1 | -11.6 |
| 01:05 AM - 01:10 AM | 54.3 | 56.3 | -2.0 | 7.0 | - | 50.3 | 54.1 | -3.8 |
| 01:10 AM - 01:15 AM | 52.3 | 56.3 | -4.0 | 7.0 | - | 48.3 | 54.1 | -5.8 |
| 01:15 AM - 01:20 AM | 51.6 | 56.3 | -4.7 | 7.0 | - | 47.6 | 54.1 | -6.5 |
| 01:20 AM - 01:25 AM | 46.4 | 56.3 | -9.9 | 7.0 | - | 42.4 | 54.1 | -11.7 |
| 01:25 AM - 01:30 AM | 45.8 | 56.3 | -10.5 | 7.0 | - | 41.8 | 54.1 | -12.2 |
| 01:30 AM - 01:35 AM | 47.8 | 56.3 | -8.5 | 7.0 | - | 43.8 | 54.1 | -10.3 |
| 01:35 AM - 01:40 AM | 46.3 | 56.3 | -10.0 | 7.0 | - | 42.3 | 54.1 | -11.8 |
| 01:40 AM - 01:45 AM | 46.0 | 56.3 | -10.3 | 7.0 | - | 42.0 | 54.1 | -12.1 |
| 01:45 AM - 01:50 AM | 46.3 | 56.3 | -10.0 | 7.0 | - | 42.3 | 54.1 | -11.8 |
| 01:50 AM - 01:55 AM | 46.7 | 56.3 | -9.6 | 7.0 | - | 42.7 | 54.1 | -11.4 |
| 01:55 AM - 02:00 AM | 47.1 | 56.3 | -9.2 | 7.0 | - | 43.1 | 54.1 | -11.0 |
| 02:00 AM - 02:05 AM | 53.2 | 56.3 | -3.1 | 7.0 | - | 49.2 | 54.1 | -4.9 |
| 02:05 AM - 02:10 AM | 46.6 | 56.3 | -9.7 | 7.0 | - | 42.6 | 54.1 | -11.5 |
| 02:10 AM - 02:15 AM | 52.8 | 56.3 | -3.5 | 7.0 | - | 48.8 | 54.1 | -5.3 |
| 02:15 AM - 02:20 AM | 46.3 | 56.3 | -10.0 | 7.0 | - | 42.3 | 54.1 | -11.8 |
| 02:20 AM - 02:25 AM | 47.3 | 56.3 | -9.0 | 7.0 | - | 43.3 | 54.1 | -11.0 |
| 02:25 AM - 02:30 AM | 53.8 | 56.3 | -2.5 | 7.0 | - | 49.7 | 54.1 | -4.4 |
| 02:30 AM - 02:35 AM | 63.9 | 56.3 | 7.6 | 0.5 | - | 66.4 | 54.1 | 12.3 |
| 02:35 AM - 02:40 AM | 51.5 | 56.3 | -4.8 | 7.0 | - | 47.5 | 54.1 | -6.6 |
| 02:40 AM - 02:45 AM | 46.6 | 56.3 | -9.7 | 7.0 | - | 42.6 | 54.1 | -11.5 |
| 02:45 AM - 02:50 AM | 45.3 | 56.3 | -11.0 | 7.0 | - | 41.3 | 54.1 | -12.8 |
| 02:50 AM - 02:55 AM | 45.7 | 56.3 | -10.6 | 7.0 | - | 41.7 | 54.1 | -12.4 |
| 02:55 AM - 03:00 AM | 56.8 | 56.3 | 0.5 | 7.0 | - | 52.8 | 54.1 | -1.3 |
| 03:00 AM - 03:05 AM | 46.5 | 56.3 | -9.8 | 7.0 | - | 42.5 | 54.1 | -11.6 |
| 03:05 AM - 03:10 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 03:10 AM - 03:15 AM | 47.7 | 56.3 | -8.6 | 7.0 | - | 43.7 | 54.1 | -11.4 |
| 03:15 AM - 03:20 AM | 51.9 | 56.3 | -4.4 | 7.0 | - | 47.9 | 54.1 | -6.2 |
| 03:20 AM - 03:25 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 03:25 AM - 03:30 AM | 45.6 | 56.3 | -10.7 | 7.0 | - | 41.6 | 54.1 | -12.5 |
| 03:30 AM - 03:35 AM | 50.0 | 56.3 | -6.3 | 7.0 | - | 46.0 | 54.1 | -8.1 |
| 03:35 AM - 03:40 AM | 44.8 | 56.3 | -11.5 | 7.0 | - | 40.8 | 54.1 | -13.3 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mampangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-QM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498745-1

Page 2 of 2

Sample No. 22135531-24
Parameter เลื่อนฐาน
Location Moo 3 Mabyangphong (N1) (GPS 47P 0731180, 1438325)
Measurement Date Nov 12 - 13, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122567

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | เสียงที่รบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | |
| 12:20 AM - 12:25 AM | 60.1 | 56.3 | 3.8 | 2.0 | 61.1 | 54.1 | 7.0 |
| 12:25 AM - 12:30 AM | 48.5 | 56.3 | -7.8 | 7.0 | 44.5 | 54.1 | -9.6 |
| 12:30 AM - 12:35 AM | 48.3 | 56.3 | -8.0 | 7.0 | 44.3 | 54.1 | -9.8 |
| 12:35 AM - 12:40 AM | 47.5 | 56.3 | -8.8 | 7.0 | 43.5 | 54.1 | -10.6 |
| 12:40 AM - 12:45 AM | 47.7 | 56.3 | -8.6 | 7.0 | 43.7 | 54.1 | -10.4 |
| 12:45 AM - 12:50 AM | 51.1 | 56.3 | -5.2 | 7.0 | 47.1 | 54.1 | -7.0 |
| 12:50 AM - 12:55 AM | 49.7 | 56.3 | -6.6 | 7.0 | 42.7 | 54.1 | -11.4 |
| 12:55 AM - 01:00 AM | 46.2 | 56.3 | -10.1 | 7.0 | 42.2 | 54.1 | -11.9 |
| 01:00 AM - 01:05 AM | 52.1 | 56.3 | -4.2 | 7.0 | 48.1 | 54.1 | -6.0 |
| 01:05 AM - 01:10 AM | 49.6 | 56.3 | -6.7 | 7.0 | 45.6 | 54.1 | -8.5 |
| 01:10 AM - 01:15 AM | 48.6 | 56.3 | -7.7 | 7.0 | 44.6 | 54.1 | -9.5 |
| 01:15 AM - 01:20 AM | 47.1 | 56.3 | -9.2 | 7.0 | 43.1 | 54.1 | -11.0 |
| 01:20 AM - 01:25 AM | 46.9 | 56.3 | -9.4 | 7.0 | 42.9 | 54.1 | -11.2 |
| 01:25 AM - 01:30 AM | 51.1 | 56.3 | -5.2 | 7.0 | 47.1 | 54.1 | -7.0 |
| 01:30 AM - 01:35 AM | 46.8 | 56.3 | -9.5 | 7.0 | 42.8 | 54.1 | -11.3 |
| 01:35 AM - 01:40 AM | 47.0 | 56.3 | -9.3 | 7.0 | 43.0 | 54.1 | -11.1 |
| 01:40 AM - 01:45 AM | 46.8 | 56.3 | -9.5 | 7.0 | 42.8 | 54.1 | -11.3 |
| 01:45 AM - 01:50 AM | 46.9 | 56.3 | -9.4 | 7.0 | 42.9 | 54.1 | -11.2 |
| 01:50 AM - 01:55 AM | 46.6 | 56.3 | -9.7 | 7.0 | 42.6 | 54.1 | -11.5 |
| 01:55 AM - 02:00 AM | 46.1 | 56.3 | -10.2 | 7.0 | 42.1 | 54.1 | -12.0 |
| 02:00 AM - 02:05 AM | 46.5 | 56.3 | -9.8 | 7.0 | 42.5 | 54.1 | -11.6 |
| 02:05 AM - 02:10 AM | 46.6 | 56.3 | -9.7 | 7.0 | 42.6 | 54.1 | -11.5 |
| 02:10 AM - 02:15 AM | 46.8 | 56.3 | -9.5 | 7.0 | 42.8 | 54.1 | -11.3 |
| 02:15 AM - 02:20 AM | 46.3 | 56.3 | -10.0 | 7.0 | 42.3 | 54.1 | -11.8 |
| 02:20 AM - 02:25 AM | 47.6 | 56.3 | -8.7 | 7.0 | 43.6 | 54.1 | -10.5 |
| 02:25 AM - 02:30 AM | 47.1 | 56.3 | -9.2 | 7.0 | 43.1 | 54.1 | -11.0 |
| 02:30 AM - 02:35 AM | 47.1 | 56.3 | -9.2 | 7.0 | 43.1 | 54.1 | -11.0 |
| 02:35 AM - 02:40 AM | 47.0 | 56.3 | -9.3 | 7.0 | 43.0 | 54.1 | -11.1 |
| 02:40 AM - 02:45 AM | 47.5 | 56.3 | -8.8 | 7.0 | 43.5 | 54.1 | -10.6 |
| 02:45 AM - 02:50 AM | 52.0 | 56.3 | -4.3 | 7.0 | 48.0 | 54.1 | -6.1 |
| 02:50 AM - 02:55 AM | 46.9 | 56.3 | -9.4 | 7.0 | 42.9 | 54.1 | -11.2 |
| 02:55 AM - 03:00 AM | 47.5 | 56.3 | -8.8 | 7.0 | 43.5 | 54.1 | -10.6 |
| 03:00 AM - 03:05 AM | 47.6 | 56.3 | -8.7 | 7.0 | 43.6 | 54.1 | -10.5 |
| 03:05 AM - 03:10 AM | 47.5 | 56.3 | -8.8 | 7.0 | 43.5 | 54.1 | -10.6 |
| 03:10 AM - 03:15 AM | 47.0 | 56.3 | -9.3 | 7.0 | 43.0 | 54.1 | -11.1 |
| 03:15 AM - 03:20 AM | 46.6 | 56.3 | -9.7 | 7.0 | 42.6 | 54.1 | -11.5 |
| 03:20 AM - 03:25 AM | 47.9 | 56.3 | -8.4 | 7.0 | 43.9 | 54.1 | -10.2 |
| 03:25 AM - 03:30 AM | 46.5 | 56.3 | -9.8 | 7.0 | 42.5 | 54.1 | -11.6 |
| 03:30 AM - 03:35 AM | 46.0 | 56.3 | -10.3 | 7.0 | 42.0 | 54.1 | -12.1 |
| 03:35 AM - 03:40 AM | 45.7 | 56.3 | -10.6 | 7.0 | 41.7 | 54.1 | -12.4 |

Approved by

Wibab.
Wibawan Borik
Assistant Manager

ADDRESS 616/10 Moo 5, T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mampangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-QM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498746-1

Page 1 of 3

Sample No. 22135531-25
Parameter เลื่อนฐาน
Location Moo 3 Mabyangphong (N1) (GPS 47P 0731180, 1438325)
Measurement Date Nov 13 - 14, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122567

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | เสียงที่รบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | |
| 10:00 AM - 11:00 AM | 57.7 | 59.5 | -1.8 | 7.0 | 50.7 | 54.5 | -3.8 |
| 11:00 AM - 12:00 PM | 56.2 | 59.5 | -3.3 | 7.0 | 49.2 | 54.5 | -5.3 |
| 12:00 PM - 01:00 PM | 56.4 | 59.5 | -3.1 | 7.0 | 49.4 | 54.5 | -5.1 |
| 01:00 PM - 02:00 PM | 59.5 | 59.5 | 0.0 | 7.0 | 52.5 | 54.5 | -2.0 |
| 02:00 PM - 03:00 PM | 56.2 | 59.5 | -3.3 | 7.0 | 51.2 | 54.5 | -3.3 |
| 03:00 PM - 04:00 PM | 59.0 | 59.5 | -0.5 | 7.0 | 52.0 | 54.5 | -2.5 |
| 04:00 PM - 05:00 PM | 60.4 | 59.5 | 0.9 | 7.0 | 53.4 | 54.5 | -1.1 |
| 05:00 PM - 06:00 PM | 61.6 | 59.5 | 2.1 | 4.5 | 57.1 | 54.5 | 2.6 |
| 06:00 PM - 07:00 PM | 59.4 | 59.5 | -0.1 | 7.0 | 52.4 | 54.5 | -2.1 |
| 07:00 PM - 08:00 PM | 60.7 | 59.5 | 1.2 | 7.0 | 53.7 | 54.5 | -0.8 |
| 08:00 PM - 09:00 PM | 61.5 | 59.5 | 2.0 | 4.5 | 57.0 | 54.5 | 2.5 |
| 09:00 PM - 10:00 PM | 58.1 | 59.5 | -1.4 | 7.0 | 51.1 | 54.5 | -3.4 |
| 10:00 PM - 10:05 PM | 51.7 | 56.3 | -4.6 | 7.0 | 47.7 | 54.1 | -6.4 |
| 10:05 PM - 10:10 PM | 49.4 | 56.3 | -6.9 | 7.0 | 45.4 | 54.1 | -8.7 |
| 10:10 PM - 10:15 PM | 51.7 | 56.3 | -4.6 | 7.0 | 47.7 | 54.1 | -6.4 |
| 10:15 PM - 10:20 PM | 54.0 | 56.3 | -2.3 | 7.0 | 50.0 | 54.1 | -4.1 |
| 10:20 PM - 10:25 PM | 56.4 | 56.3 | 0.1 | 7.0 | 52.4 | 54.1 | -1.7 |
| 10:25 PM - 10:30 PM | 51.0 | 56.3 | -5.3 | 7.0 | 47.0 | 54.1 | -7.1 |
| 10:30 PM - 10:35 PM | 52.9 | 56.3 | -3.4 | 7.0 | 48.9 | 54.1 | -5.2 |
| 10:35 PM - 10:40 PM | 54.8 | 56.3 | -1.5 | 7.0 | 50.8 | 54.1 | -3.3 |
| 10:40 PM - 10:45 PM | 55.7 | 56.3 | -0.6 | 7.0 | 51.7 | 54.1 | -2.4 |
| 10:45 PM - 10:50 PM | 48.4 | 56.3 | -7.9 | 7.0 | 44.4 | 54.1 | -9.7 |
| 10:50 PM - 10:55 PM | 55.8 | 56.3 | -0.5 | 7.0 | 51.8 | 54.1 | -2.3 |
| 10:55 PM - 11:00 PM | 45.2 | 56.3 | -11.1 | 7.0 | 41.2 | 54.1 | -12.9 |
| 11:00 PM - 11:05 PM | 50.3 | 56.3 | -6.0 | 7.0 | 46.3 | 54.1 | -7.8 |
| 11:05 PM - 11:10 PM | 55.5 | 56.3 | -0.8 | 7.0 | 51.5 | 54.1 | -2.6 |
| 11:10 PM - 11:15 PM | 59.4 | 56.3 | 3.1 | 3.0 | 59.4 | 54.1 | 5.3 |
| 11:15 PM - 11:20 PM | 52.8 | 56.3 | -3.5 | 7.0 | 48.8 | 54.1 | -5.3 |
| 11:20 PM - 11:25 PM | 55.8 | 56.3 | -0.5 | 7.0 | 51.8 | 54.1 | -2.3 |
| 11:25 PM - 11:30 PM | 46.4 | 56.3 | -9.9 | 7.0 | 42.1 | 54.1 | -11.7 |
| 11:30 PM - 11:35 PM | 49.3 | 56.3 | -7.0 | 7.0 | 45.3 | 54.1 | -8.8 |
| 11:35 PM - 11:40 PM | 51.9 | 56.3 | -4.4 | 7.0 | 47.9 | 54.1 | -6.2 |
| 11:40 PM - 11:45 PM | 51.6 | 56.3 | -4.7 | 7.0 | 47.6 | 54.1 | -6.5 |
| 11:45 PM - 11:50 PM | 45.6 | 56.3 | -10.7 | 7.0 | 41.6 | 54.1 | -12.5 |
| 11:50 PM - 11:55 PM | 46.8 | 56.3 | -9.5 | 7.0 | 42.8 | 54.1 | -11.3 |
| 11:55 PM - 12:00 AM | 45.9 | 56.3 | -10.4 | 7.0 | 41.9 | 54.1 | -12.2 |
| 12:00 AM - 12:05 AM | 45.6 | 56.3 | -10.7 | 7.0 | 41.6 | 54.1 | -12.5 |
| 12:05 AM - 12:10 AM | 48.4 | 56.3 | -7.9 | 7.0 | 44.4 | 54.1 | -9.7 |
| 12:10 AM - 12:15 AM | 52.5 | 56.3 | -3.8 | 7.0 | 48.5 | 54.1 | -5.6 |
| 12:15 AM - 12:20 AM | 54.8 | 56.3 | -1.5 | 7.0 | 50.8 | 54.1 | -3.3 |

Approved by

Wibab.
Wibawan Borik
Assistant Manager

ADDRESS 616/10 Moo 5, T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand. PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Page 2 of 3



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mampangphong, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-QM-22-103
Project Name :
Project Location : Glow SPP11 Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498745-1

Page 3 of 3

Sample No. 22135531-24
Parameter เลื่อนฐาน
Location Moo 3 Mabyangphong (N1) (GPS 47P 0731180, 1438325)
Measurement Date Nov 12 - 13, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122567

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง (dB(A)) | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่รบกวน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|--------------------------|------------|----------------------------|---------|---------------|------------------|
| | | | ระดับเสียง | ตัวปรับค่า | ค่าจริง | ค่าปรับ | | |
| 03:40 AM - 03:45 AM | 57.5 | 56.3 | 1.2 | 7.0 | - | 53.5 | 54.1 | -0.6 |
| 03:45 AM - 03:50 AM | 45.9 | 56.3 | -10.4 | 7.0 | - | 41.9 | 54.1 | -12.2 |
| 03:50 AM - 03:55 AM | 45.9 | 56.3 | -10.4 | 7.0 | - | 41.9 | 54.1 | -12.2 |
| 03:55 AM - 04:00 AM | 46.7 | 56.3 | -9.6 | 7.0 | - | 42.7 | 54.1 | -11.4 |
| 04:00 AM - 04:05 AM | 46.2 | 56.3 | -10.1 | 7.0 | - | 42.2 | 54.1 | -11.9 |
| 04:05 AM - 04:10 AM | 46.7 | 56.3 | -9.6 | 7.0 | - | 42.7 | 54.1 | -11.4 |
| 04:10 AM - 04:15 AM | 46.3 | 56.3 | -10.0 | 7.0 | - | 42.3 | 54.1 | -11.8 |
| 04:15 AM - 04:20 AM | 46.6 | 56.3 | -9.7 | 7.0 | - | 42.6 | 54.1 | -11.5 |
| 04:20 AM - 04:25 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 04:25 AM - 04:30 AM | 46.2 | 56.3 | -10.1 | 7.0 | - | 42.2 | 54.1 | -11.9 |
| 04:30 AM - 04:35 AM | 50.7 | 56.3 | -5.6 | 7.0 | - | 46.7 | 54.1 | -7.4 |
| 04:35 AM - 04:40 AM | 45.8 | 56.3 | -10.5 | 7.0 | - | 41.8 | 54.1 | -12.3 |
| 04:40 AM - 04:45 AM | 45.9 | 56.3 | -10.4 | 7.0 | - | 41.9 | 54.1 | -12.2 |
| 04:45 AM - 04:50 AM | 47.3 | 56.3 | -9.0 | 7.0 | - | 43.3 | 54.1 | -10.8 |
| 04:50 AM - 04:55 AM | 46.8 | 56.3 | -9.5 | 7.0 | - | 42.8 | 54.1 | -11.3 |
| 04:55 AM - 05:00 AM | 46.7 | 56.3 | -9.6 | 7.0 | - | 42.7 | 54.1 | -11.4 |
| 05:00 AM - 05:05 AM | 46.4 | 56.3 | -9.9 | 7.0 | - | 42.4 | 54.1 | -11.7 |
| 05:05 AM - 05:10 AM | 47.0 | 56.3 | -9.3 | 7.0 | - | 43.0 | 54.1 | -11.1 |
| 05:10 AM - 05:15 AM | 47.4 | 56.3 | -8.9 | 7.0 | - | 43.4 | 54.1 | -10.7 |
| 05:15 AM - 05:20 AM | 56.0 | 56.3 | -0.3 | 7.0 | - | 52.0 | 54.1 | -2.1 |
| 05:20 AM - 05:25 AM | 48.6 | 56.3 | -7.7 | 7.0 | - | 44.6 | 54.1 | -9.5 |
| 05:25 AM - 05:30 AM | 52.9 | 56.3 | -3.4 | 7.0 | - | 48.9 | 54.1 | -5.2 |
| 05:30 AM - 05:35 AM | 53.1 | 56.3 | -3.2 | 7.0 | - | 49.1 | 54.1 | -5.0 |
| 05:35 AM - 05:40 AM | 58.1 | 56.3 | 1.8 | 4.5 | - | 56.6 | 54.1 | 2.5 |
| 05:40 AM - 05:45 AM | 50.8 | 56.3 | -5.5 | 7.0 | - | 46.8 | 54.1 | -7.3 |
| 05:45 AM - 05:50 AM | 51.2 | 56.3 | -5.1 | 7.0 | - | 47.2 | 54.1 | -6.9 |
| 05:50 AM - 05:55 AM | 65.9 | 56.3 | 9.6 | 0.5 | - | 68.4 | 54.1 | 14.3 |
| 05:55 AM - 06:00 AM | 47.3 | 56.3 | -9.0 | 7.0 | - | 43.3 | 54.1 | -10.8 |
| 06:00 AM - 07:00 AM | 55.7 | 59.5 | -3.8 | 7.0 | 48.7 | - | 54.5 | -5.8 |
| 07:00 AM - 08:00 AM | 60.7 | 59.5 | 1.2 | 7.0 | 53.7 | - | 54.5 | -0.8 |
| 08:00 AM - 09:00 AM | 60.4 | 59.5 | 0.9 | 7.0 | 53.4 | - | 54.5 | -1.1 |
| 09:00 AM - 10:00 AM | 57.7 | 59.5 | -1.8 | 7.0 | 50.7 | - | 54.5 | -1.8 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyngphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498747-1

Sample No. 22135531-25
Parameter เลื่อนกรวน
Location Moo 3 Mabyangorn (N1) (GPS 47P 0731180, 1438325)
Measurement Date Nov 13 - 14, 2022
Measurement by Ronnachai Moungma
Sound Level Meter 01122567

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการกรวน | ผลต่าง | ตัวแปรค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการกรวน |
|---------------------|---------------------|----------------------|--------|-----------|----------------------------|---------|-------------|-----------------|
| | | | | | กลางวัน | กลางคืน | | |
| 03:40 AM - 03:45 AM | 46.9 | 56.3 | -9.4 | 7.0 | - | 42.9 | 54.1 | -11.2 |
| 03:45 AM - 03:50 AM | 46.1 | 56.3 | -10.2 | 7.0 | - | 42.1 | 54.1 | -12.0 |
| 03:50 AM - 03:55 AM | 45.8 | 56.3 | -10.5 | 7.0 | - | 41.8 | 54.1 | -12.3 |
| 03:55 AM - 04:00 AM | 51.4 | 56.3 | -4.9 | 7.0 | - | 47.4 | 54.1 | -6.7 |
| 04:00 AM - 04:05 AM | 45.6 | 56.3 | -10.7 | 7.0 | - | 41.6 | 54.1 | -12.5 |
| 04:05 AM - 04:10 AM | 46.4 | 56.3 | -9.9 | 7.0 | - | 42.4 | 54.1 | -11.7 |
| 04:10 AM - 04:15 AM | 46.4 | 56.3 | -9.9 | 7.0 | - | 42.4 | 54.1 | -11.7 |
| 04:15 AM - 04:20 AM | 51.5 | 56.3 | -4.8 | 7.0 | - | 47.5 | 54.1 | -6.6 |
| 04:20 AM - 04:25 AM | 45.7 | 56.3 | -10.6 | 7.0 | - | 41.7 | 54.1 | -12.4 |
| 04:25 AM - 04:30 AM | 45.8 | 56.3 | -10.5 | 7.0 | - | 41.8 | 54.1 | -12.3 |
| 04:30 AM - 04:35 AM | 45.2 | 56.3 | -11.1 | 7.0 | - | 41.2 | 54.1 | -12.9 |
| 04:35 AM - 04:40 AM | 50.5 | 56.3 | -5.8 | 7.0 | - | 46.5 | 54.1 | -7.6 |
| 04:40 AM - 04:45 AM | 45.6 | 56.3 | -10.7 | 7.0 | - | 41.6 | 54.1 | -12.5 |
| 04:45 AM - 04:50 AM | 45.1 | 56.3 | -11.2 | 7.0 | - | 41.1 | 54.1 | -13.0 |
| 04:50 AM - 04:55 AM | 47.5 | 56.3 | -8.8 | 7.0 | - | 43.5 | 54.1 | -10.6 |
| 04:55 AM - 05:00 AM | 51.2 | 56.3 | -5.1 | 7.0 | - | 47.2 | 54.1 | -6.9 |
| 05:00 AM - 05:05 AM | 51.4 | 56.3 | -4.9 | 7.0 | - | 47.4 | 54.1 | -6.7 |
| 05:05 AM - 05:10 AM | 45.3 | 56.3 | -11.0 | 7.0 | - | 41.3 | 54.1 | -12.8 |
| 05:10 AM - 05:15 AM | 52.2 | 56.3 | -4.1 | 7.0 | - | 48.2 | 54.1 | -5.9 |
| 05:15 AM - 05:20 AM | 52.2 | 56.3 | -4.1 | 7.0 | - | 48.2 | 54.1 | -5.9 |
| 05:20 AM - 05:25 AM | 54.0 | 56.3 | -2.3 | 7.0 | - | 50.0 | 54.1 | -4.1 |
| 05:25 AM - 05:30 AM | 53.8 | 56.3 | -2.5 | 7.0 | - | 49.8 | 54.1 | -4.3 |
| 05:30 AM - 05:35 AM | 50.9 | 56.3 | -5.4 | 7.0 | - | 46.9 | 54.1 | -7.2 |
| 05:35 AM - 05:40 AM | 48.2 | 56.3 | -8.1 | 7.0 | - | 44.2 | 54.1 | -9.9 |
| 05:40 AM - 05:45 AM | 46.7 | 56.3 | -9.6 | 7.0 | - | 42.7 | 54.1 | -11.4 |
| 05:45 AM - 05:50 AM | 47.8 | 56.3 | -8.5 | 7.0 | - | 43.8 | 54.1 | -10.3 |
| 05:50 AM - 05:55 AM | 53.8 | 56.3 | -2.5 | 7.0 | - | 49.8 | 54.1 | -4.3 |
| 05:55 AM - 06:00 AM | 58.4 | 56.3 | 2.1 | 4.5 | - | 56.9 | 54.1 | 2.8 |
| 06:00 AM - 07:00 AM | 53.8 | 59.5 | -5.7 | 7.0 | 46.8 | - | 54.5 | -7.7 |
| 07:00 AM - 08:00 AM | 53.5 | 59.5 | -6.0 | 7.0 | 46.5 | - | 54.5 | -8.0 |
| 08:00 AM - 09:00 AM | 54.9 | 59.5 | -4.6 | 7.0 | 47.5 | - | 54.5 | -6.6 |
| 09:00 AM - 10:00 AM | 52.8 | 59.5 | -6.7 | 7.0 | 45.8 | - | 54.5 | -8.7 |
| ค่าเฉลี่ยรวม | | | | | | | | |
| ≤ 10 | | | | | | | | |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

หมายเหตุ

1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการกรวนและระดับเสียงที่คาดการณ์จากข้อมูลการกรวน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการกรวน พ.ศ. 2548 และระดับเสียงสูงสุดที่คาดการณ์จากข้อมูลการกรวน พ.ศ. 2553
3. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่เกินขีดจำกัดการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงสูงสุดและระดับเสียงขณะไม่มีการกรวน (ข้อมูลการตรวจวัดการประกอบกิจการเป็นอันตรายต่อสุขภาพ (EIA) พ.ศ. 2557 วันที่ตรวจวัด 27 พฤษภาคม-01 มิถุนายน 2557)

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Approved by

Wibab.
Wilawan Borirak
Assistant Manager



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyngphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498747-1

Sample No. 22135531-26
Parameter เลื่อนกรวน
Location Moo 3 Mabyangorn (N2) (GPS 47P 0732339, 1437041)
Measurement Date Nov 09 - 10, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00509355

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการกรวน | ผลต่าง | ตัวแปรค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการกรวน |
|---------------------|---------------------|----------------------|--------|-----------|----------------------------|---------|-------------|-----------------|
| | | | | | กลางวัน | กลางคืน | | |
| 10:00 AM - 10:05 AM | 51.1 | 57.6 | -6.5 | 7.0 | 44.1 | - | 47.5 | -3.4 |
| 10:05 AM - 10:10 AM | 51.0 | 57.6 | -6.6 | 7.0 | 44.0 | - | 47.5 | -3.5 |
| 10:10 AM - 10:15 AM | 51.5 | 57.6 | -6.1 | 7.0 | 44.5 | - | 47.5 | -3.0 |
| 10:15 AM - 10:20 AM | 51.4 | 57.6 | -6.2 | 7.0 | 44.4 | - | 47.5 | -3.1 |
| 10:20 AM - 10:25 AM | 48.6 | 57.6 | -9.0 | 7.0 | 41.6 | - | 47.5 | -5.9 |
| 10:25 AM - 10:30 AM | 48.1 | 57.6 | -9.5 | 7.0 | 41.1 | - | 47.5 | -6.4 |
| 10:30 AM - 10:35 AM | 47.2 | 57.6 | -10.4 | 7.0 | 40.2 | - | 47.5 | -7.3 |
| 10:35 AM - 10:40 AM | 44.5 | 57.6 | -13.1 | 7.0 | 37.5 | - | 47.5 | -10.0 |
| 10:40 AM - 10:45 AM | 44.9 | 57.6 | -12.7 | 7.0 | 37.9 | - | 47.5 | -9.6 |
| 10:45 AM - 10:50 AM | 44.8 | 57.6 | -12.8 | 7.0 | 37.8 | - | 47.5 | -9.7 |
| 10:50 AM - 10:55 AM | 44.4 | 57.6 | -13.2 | 7.0 | 37.4 | - | 47.5 | -10.1 |
| 10:55 AM - 11:00 AM | 44.1 | 57.6 | -13.5 | 7.0 | 37.1 | - | 47.5 | -10.4 |
| 11:00 AM - 11:05 AM | 44.5 | 51.8 | -7.3 | 7.0 | - | 40.5 | 47.8 | -7.3 |
| 11:05 AM - 11:10 AM | 42.4 | 51.8 | -9.4 | 7.0 | - | 38.4 | 47.8 | -9.4 |
| 11:10 AM - 11:15 PM | 42.7 | 51.8 | -9.1 | 7.0 | - | 38.7 | 47.8 | -9.1 |
| 11:15 PM - 11:20 PM | 42.5 | 51.8 | -9.3 | 7.0 | - | 38.5 | 47.8 | -9.3 |
| 11:20 PM - 11:25 PM | 42.5 | 51.8 | -9.3 | 7.0 | - | 38.5 | 47.8 | -9.3 |
| 11:25 PM - 11:30 PM | 43.6 | 51.8 | -8.2 | 7.0 | - | 39.6 | 47.8 | -8.2 |
| 11:30 PM - 11:35 PM | 43.7 | 51.8 | -8.1 | 7.0 | - | 39.7 | 47.8 | -8.1 |
| 11:35 PM - 11:40 PM | 44.5 | 51.8 | -7.3 | 7.0 | - | 40.5 | 47.8 | -7.3 |
| 11:40 PM - 11:45 PM | 45.0 | 51.8 | -6.8 | 7.0 | - | 41.0 | 47.8 | -6.8 |
| 11:45 PM - 11:50 PM | 51.0 | 51.8 | -0.8 | 7.0 | - | 47.0 | 47.8 | -0.8 |
| 11:50 PM - 11:55 PM | 48.1 | 51.8 | -3.7 | 7.0 | - | 44.1 | 47.8 | -3.7 |
| 11:55 PM - 12:00 AM | 43.5 | 51.8 | -8.3 | 7.0 | - | 39.5 | 47.8 | -8.3 |
| 12:00 PM - 11:05 PM | 43.7 | 51.8 | -8.1 | 7.0 | - | 39.7 | 47.8 | -8.1 |
| 11:05 PM - 11:10 PM | 45.8 | 51.8 | -6.0 | 7.0 | - | 41.8 | 47.8 | -6.0 |
| 11:10 PM - 11:15 PM | 43.3 | 51.8 | -8.5 | 7.0 | - | 39.3 | 47.8 | -8.5 |
| 11:15 PM - 11:20 PM | 45.0 | 51.8 | -6.8 | 7.0 | - | 41.0 | 47.8 | -6.8 |
| 11:20 PM - 11:25 PM | 44.6 | 51.8 | -7.2 | 7.0 | - | 40.6 | 47.8 | -7.2 |
| 11:25 PM - 11:30 PM | 51.0 | 51.8 | -0.8 | 7.0 | - | 47.0 | 47.8 | -0.8 |
| 11:30 PM - 11:35 PM | 42.9 | 51.8 | -8.9 | 7.0 | - | 38.9 | 47.8 | -8.9 |
| 11:35 PM - 11:40 PM | 44.9 | 51.8 | -6.9 | 7.0 | - | 40.9 | 47.8 | -6.9 |
| 11:40 PM - 11:45 PM | 50.6 | 51.8 | -1.2 | 7.0 | - | 46.6 | 47.8 | -1.2 |
| 11:45 PM - 11:50 PM | 45.2 | 51.8 | -6.6 | 7.0 | - | 41.2 | 47.8 | -6.6 |
| 11:50 PM - 11:55 PM | 51.7 | 51.8 | -0.1 | 7.0 | - | 47.7 | 47.8 | -0.1 |
| 11:55 PM - 12:00 AM | 49.7 | 51.8 | -2.1 | 7.0 | - | 45.7 | 47.8 | -2.1 |
| 12:00 AM - 12:05 AM | 52.4 | 51.8 | 0.6 | 7.0 | - | 48.4 | 47.8 | 0.6 |
| 12:05 AM - 12:10 AM | 51.6 | 51.8 | -0.2 | 7.0 | - | 47.6 | 47.8 | -0.2 |
| 12:10 AM - 12:15 AM | 49.4 | 51.8 | -2.4 | 7.0 | - | 45.4 | 47.8 | -2.4 |
| 12:15 AM - 12:20 AM | 49.2 | 51.8 | -2.6 | 7.0 | - | 45.2 | 47.8 | -2.6 |

The above results are valid only for the test and checked samples as indicated in this report. No part of this report or any data may be reproduced in any form without written consent from the Laboratory. A.S. Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibab.
Wilawan Borirak
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand : PHONE +66 0 3304 8555 : FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. AN ALS LIMITED COMPANY

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Analysis / Test Report

TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyngphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498747-1

Sample No. 22135531-26
Parameter เลื่อนกรวน
Location Moo 3 Mabyangorn (N2) (GPS 47P 0732339, 1437041)
Measurement Date Nov 09 - 10, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00509355

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการกรวน | ตัวแปรค่า | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าระดับการกรวน |
|---------------------|---------------------|----------------------|-----------|-----------|----------------------------|---------|-------------|-----------------|
| | | | ผลต่าง | ตัวแปรค่า | กลางวัน | กลางคืน | | |
| 12:20 AM - 12:25 AM | 48.0 | 51.8 | -3.8 | 7.0 | - | 44.0 | 47.8 | -3.8 |
| 12:25 AM - 12:30 AM | 48.3 | 51.8 | -3.5 | 7.0 | - | 44.3 | 47.8 | -3.5 |
| 12:30 AM - 12:35 AM | 49.0 | 51.8 | -2.8 | 7.0 | - | 45.0 | 47.8 | -2.8 |
| 12:35 AM - 12:40 AM | 52.1 | 51.8 | 0.3 | 7.0 | - | 48.1 | 47.8 | 0.3 |
| 12:40 AM - 12:45 AM | 51.1 | 51.8 | -0.7 | 7.0 | - | 47.1 | 47.8 | -0.7 |
| 12:45 AM - 12:50 AM | 50.4 | 51.8 | -1.4 | 7.0 | - | 46.4 | 47.8 | -1.4 |
| 12:50 AM - 12:55 AM | 56.9 | 51.8 | 5.1 | 1.5 | - | 58.4 | 47.8 | 10.6 |
| 12:55 AM - 01:00 AM | 51.8 | 51.8 | 0.0 | 7.0 | - | 47.8 | 47.8 | 0.0 |
| 01:00 AM - 01:05 AM | 50.4 | 51.8 | -1.4 | 7.0 | - | 46.4 | 47.8 | -1.4 |
| 01:05 AM - 01:10 AM | 49.7 | 51.8 | -2.1 | 7.0 | - | 45.7 | 47.8 | -2.1 |
| 01:10 AM - 01:15 AM | 51.7 | 51.8 | -0.1 | 7.0 | - | 47.7 | 47.8 | -0.1 |
| 01:15 AM - 01:20 AM | 51.9 | 51.8 | 0.1 | 7.0 | - | 47.9 | 47.8 | 0.1 |
| 01:20 AM - 01:25 AM | 50.3 | 51.8 | -1.5 | 7.0 | - | 46.3 | 47.8 | -1.5 |
| 01:25 AM - 01:30 AM | 51.6 | 51.8 | -0.2 | 7.0 | - | 47.6 | 47.8 | -0.2 |
| 01:30 AM - 01:35 AM | 49.9 | 51.8 | -1.9 | 7.0 | - | 45.9 | 47.8 | -1.9 |
| 01:35 AM - 01:40 AM | 51.3 | 51.8 | -0.5 | 7.0 | - | 47.3 | 47.8 | -0.5 |
| 01:40 AM - 01:45 AM | 48.9 | 51.8 | -2.9 | 7.0 | - | 44.9 | 47.8 | -2.9 |
| 01:45 AM - 01:50 AM | 53.6 | 51.8 | 1.8 | 4.5 | - | 52.1 | 47.8 | 4.3 |
| 01:50 AM - 01:55 AM | 51.9 | 51.8 | 0.1 | 7.0 | - | 47.9 | 47.8 | 0.1 |
| 01:55 AM - 02:00 AM | 49.1 | 51.8 | -2.7 | 7.0 | - | 45.1 | 47.8 | -2.7 |
| 02:00 AM - 02:05 AM | 51.0 | 51.8 | -0.8 | 7.0 | - | 47.0 | 47.8 | -0.8 |
| 02:05 AM - 02:10 AM | 57.3 | 51.8 | 5.5 | 1.5 | - | 58.8 | 47.8 | 11.0 |
| 02:10 AM - 02:15 AM | 51.8 | 51.8 | 0.0 | 7.0 | - | 47.8 | 47.8 | 0.0 |
| 02:15 AM - 02:20 AM | 50.8 | 51.8 | -1.0 | 7.0 | - | 46.8 | 47.8 | -1.0 |
| 02:20 AM - 02:25 AM | 52.4 | 51.8 | 0.6 | 7.0 | - | 48.4 | 47.8 | 0.6 |
| 02:25 AM - 02:30 AM | 53.4 | 51.8 | 1.6 | 4.5 | - | 51.9 | 47.8 | 4.1 |
| 02:30 AM - 02:35 AM | 52.5 | 51.8 | 0.7 | 7.0 | - | 48.5 | 47.8 | 0.7 |
| 02:35 AM - 02:40 AM | 51.3 | 51.8 | -0.5 | 7.0 | - | 47.3 | 47.8 | -0.5 |
| 02:40 AM - 02:45 AM | 52.6 | 51.8 | 0.8 | 7.0 | - | 48.6 | 47.8 | 0.8 |
| 02:45 AM - 02:50 AM | 51.5 | 51.8 | -0.3 | 7.0 | - | 47.5 | 47.8 | -0.3 |
| 02:50 AM - 02:55 AM | 51.8 | 51.8 | 0.0 | 7.0 | - | 47.8 | 47.8 | 0.0 |
| 02:55 AM - 03:00 AM | 51.9 | 51.8 | 0.1 | 7.0 | - | 47.9 | 47.8 | 0.1 |
| 03:00 AM - 03:05 AM | 53.5 | 51.8 | 1.7 | 4.5 | - | 52.0 | 47.8 | 4.2 |
| 03:05 AM - 03:10 AM | 54.9 | 51.8 | 3.1 | 3.0 | - | 54.9 | 47.8 | 7.1 |
| 03:10 AM - 03:15 AM | 54.6 | 51.8 | 3.0 | 3.0 | - | 54.6 | 47.8 | 6.8 |
| 03:15 AM - 03:20 AM | 53.8 | 51.8 | 2.0 | 4.5 | - | 52.3 | 47.8 | 4.5 |
| 03:20 AM - 03:25 AM | 49.8 | 51.8 | -2.0 | 7.0 | - | 45.8 | 47.8 | -2.0 |
| 03:25 AM - 03:30 AM | 49.4 | 51.8 | -2.4 | 7.0 | - | 45.4 | 47.8 | -2.4 |
| 03:30 AM - 03:35 AM | 48.5 | 51.8 | -3.3 | 7.0 | - | 44.5 | 47.8 | -3.3 |
| 03:35 AM - 03:40 AM | 53.9 | 51.8 | 2.1 | 4.5 | - | 52.4 | 47.8 | 4.6 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Maphangphong, A. Phukdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531-27
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498748-1

Page 1 of 3

Sample No. 22135531-27
Parameter เสียงรบกวน
Location Moo 3 Mabyangporm (N2) (GPS 47P 0732339, 1437041)
Measurement Date Nov 10 - 11, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00509355

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|------------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 10:00 AM - 11:00 AM | 56.2 | 57.6 | -1.4 | 7.0 | 49.2 | - | 47.5 | 1.7 |
| 11:00 AM - 12:00 PM | 54.2 | 57.6 | -3.4 | 7.0 | 47.2 | - | 47.5 | -0.3 |
| 12:00 PM - 01:00 PM | 52.1 | 57.6 | -5.5 | 7.0 | 45.1 | - | 47.5 | -2.4 |
| 01:00 PM - 02:00 PM | 50.8 | 57.6 | -6.8 | 7.0 | 43.8 | - | 47.5 | -3.7 |
| 02:00 PM - 03:00 PM | 50.6 | 57.6 | -7.0 | 7.0 | 43.6 | - | 47.5 | -3.9 |
| 03:00 PM - 04:00 PM | 50.5 | 57.6 | -7.1 | 7.0 | 43.5 | - | 47.5 | -4.0 |
| 04:00 PM - 05:00 PM | 48.8 | 57.6 | -8.8 | 7.0 | 41.8 | - | 47.5 | -5.7 |
| 05:00 PM - 06:00 PM | 46.5 | 57.6 | -11.1 | 7.0 | 39.5 | - | 47.5 | -8.0 |
| 06:00 PM - 07:00 PM | 46.5 | 57.6 | -11.1 | 7.0 | 39.5 | - | 47.5 | -8.0 |
| 07:00 PM - 08:00 PM | 49.7 | 57.6 | -7.9 | 7.0 | 42.7 | - | 47.5 | -4.8 |
| 08:00 PM - 09:00 PM | 50.7 | 57.6 | -6.9 | 7.0 | 43.7 | - | 47.5 | -3.8 |
| 09:00 PM - 10:00 PM | 49.7 | 57.6 | -7.9 | 7.0 | 42.7 | - | 47.5 | -4.8 |
| 10:00 PM - 10:05 PM | 48.8 | 51.8 | -3.0 | 7.0 | - | 44.8 | 47.8 | -3.0 |
| 10:05 PM - 10:10 PM | 49.4 | 51.8 | -2.4 | 7.0 | - | 45.4 | 47.8 | -2.4 |
| 10:10 PM - 10:15 PM | 49.1 | 51.8 | -2.7 | 7.0 | - | 45.1 | 47.8 | -2.7 |
| 10:15 PM - 10:20 PM | 48.0 | 51.8 | -3.8 | 7.0 | - | 44.0 | 47.8 | -3.8 |
| 10:20 PM - 10:25 PM | 48.9 | 51.8 | -2.9 | 7.0 | - | 44.9 | 47.8 | -2.9 |
| 10:25 PM - 10:30 PM | 49.2 | 51.8 | -2.6 | 7.0 | - | 45.2 | 47.8 | -2.6 |
| 10:30 PM - 10:35 PM | 49.1 | 51.8 | -2.7 | 7.0 | - | 45.1 | 47.8 | -2.7 |
| 10:35 PM - 10:40 PM | 49.2 | 51.8 | -2.6 | 7.0 | - | 45.2 | 47.8 | -2.6 |
| 10:40 PM - 10:45 PM | 49.4 | 51.8 | -2.4 | 7.0 | - | 45.4 | 47.8 | -2.4 |
| 10:45 PM - 10:50 PM | 49.8 | 51.8 | -2.0 | 7.0 | - | 45.8 | 47.8 | -2.0 |
| 10:50 PM - 10:55 PM | 49.1 | 51.8 | -2.7 | 7.0 | - | 45.1 | 47.8 | -2.7 |
| 10:55 PM - 11:00 PM | 48.9 | 51.8 | -2.9 | 7.0 | - | 44.9 | 47.8 | -2.9 |
| 11:00 PM - 11:05 PM | 48.3 | 51.8 | -3.5 | 7.0 | - | 44.3 | 47.8 | -3.5 |
| 11:05 PM - 11:10 PM | 48.6 | 51.8 | -3.2 | 7.0 | - | 44.6 | 47.8 | -3.2 |
| 11:10 PM - 11:15 PM | 48.3 | 51.8 | -3.5 | 7.0 | - | 44.3 | 47.8 | -3.5 |
| 11:15 PM - 11:20 PM | 48.0 | 51.8 | -3.8 | 7.0 | - | 44.0 | 47.8 | -3.8 |
| 11:20 PM - 11:25 PM | 48.5 | 51.8 | -3.3 | 7.0 | - | 44.5 | 47.8 | -3.3 |
| 11:25 PM - 11:30 PM | 48.7 | 51.8 | -3.1 | 7.0 | - | 44.7 | 47.8 | -3.1 |
| 11:30 PM - 11:35 PM | 48.6 | 51.8 | -3.2 | 7.0 | - | 44.6 | 47.8 | -3.2 |
| 11:35 PM - 11:40 PM | 50.0 | 51.8 | -1.8 | 7.0 | - | 46.0 | 47.8 | -1.8 |
| 11:40 PM - 11:45 PM | 50.5 | 51.8 | -1.3 | 7.0 | - | 46.5 | 47.8 | -1.3 |
| 11:45 PM - 11:50 PM | 50.2 | 51.8 | -1.6 | 7.0 | - | 46.2 | 47.8 | -1.6 |
| 11:50 PM - 11:55 PM | 48.8 | 51.8 | -3.0 | 7.0 | - | 44.8 | 47.8 | -3.0 |
| 11:55 PM - 12:00 AM | 61.8 | 51.8 | 10.0 | 0.5 | 64.3 | 47.8 | 16.5 | 15.5 |
| 12:00 AM - 12:05 AM | 64.3 | 51.8 | 12.5 | 0.0 | 67.3 | 47.8 | 19.5 | 17.5 |
| 12:05 AM - 12:10 AM | 60.1 | 51.8 | 8.3 | 0.5 | 62.6 | 47.8 | 14.8 | 14.8 |
| 12:10 AM - 12:15 AM | 52.7 | 51.8 | 0.9 | 7.0 | 48.7 | 47.8 | 0.9 | 0.9 |
| 12:15 AM - 12:20 AM | 51.6 | 51.8 | -0.2 | 7.0 | 47.4 | 47.8 | -0.4 | -0.4 |



Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

TESTING
No.0042
Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498749-1

Sample No. 22135531-28
Parameter เ็นดินปน
Location Moo 3 Mabyangpon (N2) (GPS 47P 0732339, 1437041)
Measurement Date Nov 11 - 12, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00509355

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่าง | ค่าปรับ | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าปรับ |
|---------------------|---------------------|-----------------------|--------|---------|----------------------------|---------|-------------|---------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 12:20 AM - 12:25 AM | 51.5 | 51.8 | 0.3 | 7.0 | - | 47.5 | 47.8 | -0.3 |
| 12:25 AM - 12:30 AM | 51.8 | 51.8 | 0.0 | 7.0 | - | 47.8 | 47.8 | 0.0 |
| 12:30 AM - 12:35 AM | 51.6 | 51.8 | -0.2 | 7.0 | - | 47.6 | 47.8 | -0.2 |
| 12:35 AM - 12:40 AM | 52.7 | 51.8 | 0.9 | 7.0 | - | 48.7 | 47.8 | 0.9 |
| 12:40 AM - 12:45 AM | 51.0 | 51.8 | -0.8 | 7.0 | - | 47.0 | 47.8 | -0.8 |
| 12:45 AM - 12:50 AM | 54.4 | 51.8 | 2.6 | 3.0 | - | 54.4 | 47.8 | 6.6 |
| 12:50 AM - 12:55 AM | 53.6 | 51.8 | 1.8 | 4.5 | - | 52.1 | 47.8 | 4.3 |
| 12:55 AM - 01:00 AM | 53.4 | 51.8 | 1.6 | 4.5 | - | 51.9 | 47.8 | 4.1 |
| 01:00 AM - 01:05 AM | 52.9 | 51.8 | 1.1 | 7.0 | - | 47.9 | 47.8 | 0.1 |
| 01:05 AM - 01:10 AM | 52.3 | 51.8 | 0.5 | 7.0 | - | 48.3 | 47.8 | 0.5 |
| 01:10 AM - 01:15 AM | 58.2 | 51.8 | 6.4 | 1.5 | - | 59.7 | 47.8 | 11.9 |
| 01:15 AM - 01:20 AM | 51.1 | 51.8 | -0.7 | 7.0 | - | 47.1 | 47.8 | -0.7 |
| 01:20 AM - 01:25 AM | 53.7 | 51.8 | 1.9 | 4.5 | - | 52.2 | 47.8 | 4.4 |
| 01:25 AM - 01:30 AM | 52.9 | 51.8 | 1.1 | 7.0 | - | 48.9 | 47.8 | 1.1 |
| 01:30 AM - 01:35 AM | 49.2 | 51.8 | -2.6 | 7.0 | - | 45.2 | 47.8 | -2.6 |
| 01:35 AM - 01:40 AM | 51.3 | 51.8 | -0.5 | 7.0 | - | 47.3 | 47.8 | -0.5 |
| 01:40 AM - 01:45 AM | 50.2 | 51.8 | -1.6 | 7.0 | - | 46.2 | 47.8 | -1.6 |
| 01:45 AM - 01:50 AM | 53.6 | 51.8 | 1.8 | 4.5 | - | 52.1 | 47.8 | 4.3 |
| 01:50 AM - 01:55 AM | 52.8 | 51.8 | 1.0 | 7.0 | - | 48.8 | 47.8 | 1.0 |
| 01:55 AM - 02:00 AM | 52.8 | 51.8 | 1.0 | 7.0 | - | 48.8 | 47.8 | 1.0 |
| 02:00 AM - 02:05 AM | 52.7 | 51.8 | 0.9 | 7.0 | - | 48.7 | 47.8 | 0.9 |
| 02:05 AM - 02:10 AM | 54.9 | 51.8 | 3.1 | 3.0 | - | 54.9 | 47.8 | 7.1 |
| 02:10 AM - 02:15 AM | 51.9 | 51.8 | 0.1 | 7.0 | - | 47.9 | 47.8 | 0.1 |
| 02:15 AM - 02:20 AM | 51.2 | 51.8 | -0.6 | 7.0 | - | 47.2 | 47.8 | -0.6 |
| 02:20 AM - 02:25 AM | 49.3 | 51.8 | -2.5 | 7.0 | - | 45.3 | 47.8 | -2.5 |
| 02:25 AM - 02:30 AM | 48.7 | 51.8 | -3.1 | 7.0 | - | 44.3 | 47.8 | -3.5 |
| 02:30 AM - 02:35 AM | 49.6 | 51.8 | -2.2 | 7.0 | - | 45.6 | 47.8 | -2.2 |
| 02:35 AM - 02:40 AM | 54.0 | 51.8 | 2.2 | 4.5 | - | 52.5 | 47.8 | 4.7 |
| 02:40 AM - 02:45 AM | 50.5 | 51.8 | -1.3 | 7.0 | - | 46.5 | 47.8 | -1.3 |
| 02:45 AM - 02:50 AM | 51.1 | 51.8 | -0.7 | 7.0 | - | 47.1 | 47.8 | -0.7 |
| 02:50 AM - 02:55 AM | 56.5 | 51.8 | 4.7 | 1.5 | - | 58.0 | 47.8 | 10.2 |
| 02:55 AM - 03:00 AM | 52.0 | 51.8 | 0.2 | 7.0 | - | 48.0 | 47.8 | 0.2 |
| 03:00 AM - 03:05 AM | 52.7 | 51.8 | 0.9 | 7.0 | - | 48.7 | 47.8 | 0.9 |
| 03:05 AM - 03:10 AM | 50.7 | 51.8 | -1.1 | 7.0 | - | 46.3 | 47.8 | -1.5 |
| 03:10 AM - 03:15 AM | 47.9 | 51.8 | -3.9 | 7.0 | - | 43.9 | 47.8 | -3.9 |
| 03:15 AM - 03:20 AM | 46.9 | 51.8 | -4.9 | 7.0 | - | 42.9 | 47.8 | -4.9 |
| 03:20 AM - 03:25 AM | 58.5 | 51.8 | 6.7 | 1.0 | - | 60.5 | 47.8 | 12.7 |
| 03:25 AM - 03:30 AM | 50.9 | 51.8 | -0.9 | 7.0 | - | 46.9 | 47.8 | -0.9 |
| 03:30 AM - 03:35 AM | 51.4 | 51.8 | -0.4 | 7.0 | - | 47.4 | 47.8 | -0.4 |
| 03:35 AM - 03:40 AM | 51.0 | 51.8 | -0.8 | 7.0 | - | 47.0 | 47.8 | -0.8 |

The above results are valid only for the analytical method(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibab.
Wiborn Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. AN ALS LIMITED COMPANY

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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

TESTING
No.0042
Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498750-1

Sample No. 22135531-29
Parameter เ็นดินปน
Location Moo 3 Mabyangpon (N2) (GPS 47P 0732339, 1437041)
Measurement Date Nov 12 - 13, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00509355

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่าง | ค่าปรับ | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าปรับ |
|---------------------|---------------------|-----------------------|--------|---------|----------------------------|---------|-------------|---------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 10:00 AM - 11:00 AM | 50.8 | 57.6 | -6.8 | 7.0 | 43.8 | - | 47.5 | -3.7 |
| 11:00 AM - 12:00 PM | 52.1 | 57.6 | -5.5 | 7.0 | 45.1 | - | 47.5 | -2.4 |
| 12:00 PM - 01:00 PM | 52.9 | 57.6 | -4.7 | 7.0 | 45.9 | - | 47.5 | -1.6 |
| 01:00 PM - 02:00 PM | 55.4 | 57.6 | -2.2 | 7.0 | 48.4 | - | 47.5 | 0.9 |
| 02:00 PM - 03:00 PM | 49.9 | 57.6 | -7.7 | 7.0 | 42.9 | - | 47.5 | -4.6 |
| 03:00 PM - 04:00 PM | 47.9 | 57.6 | -9.7 | 7.0 | 40.9 | - | 47.5 | -6.6 |
| 04:00 PM - 05:00 PM | 46.2 | 57.6 | -11.4 | 7.0 | 39.2 | - | 47.5 | -8.3 |
| 05:00 PM - 06:00 PM | 44.9 | 57.6 | -12.7 | 7.0 | 37.9 | - | 47.5 | -9.6 |
| 06:00 PM - 07:00 PM | 44.3 | 57.6 | -13.3 | 7.0 | 37.3 | - | 47.5 | -10.2 |
| 07:00 PM - 08:00 PM | 43.2 | 57.6 | -14.4 | 7.0 | 36.2 | - | 47.5 | -11.3 |
| 08:00 PM - 09:00 PM | 46.2 | 57.6 | -11.4 | 7.0 | 39.2 | - | 47.5 | -8.3 |
| 09:00 PM - 10:00 PM | 43.8 | 57.6 | -13.8 | 7.0 | 36.8 | - | 47.5 | -10.7 |
| 10:00 PM - 10:05 PM | 43.1 | 51.8 | -8.7 | 7.0 | - | 39.1 | 47.8 | -8.7 |
| 10:05 PM - 10:10 PM | 43.7 | 51.8 | -8.1 | 7.0 | - | 39.7 | 47.8 | -8.1 |
| 10:10 PM - 10:15 PM | 44.2 | 51.8 | -7.6 | 7.0 | - | 40.2 | 47.8 | -7.6 |
| 10:15 PM - 10:20 PM | 43.4 | 51.8 | -8.4 | 7.0 | - | 39.4 | 47.8 | -8.4 |
| 10:20 PM - 10:25 PM | 42.8 | 51.8 | -9.0 | 7.0 | - | 38.8 | 47.8 | -9.0 |
| 10:25 PM - 10:30 PM | 41.7 | 51.8 | -10.1 | 7.0 | - | 37.7 | 47.8 | -10.1 |
| 10:30 PM - 10:35 PM | 41.9 | 51.8 | -9.9 | 7.0 | - | 37.9 | 47.8 | -9.9 |
| 10:35 PM - 10:40 PM | 43.0 | 51.8 | -8.8 | 7.0 | - | 39.0 | 47.8 | -8.8 |
| 10:40 PM - 10:45 PM | 42.7 | 51.8 | -9.1 | 7.0 | - | 38.7 | 47.8 | -9.1 |
| 10:45 PM - 10:50 PM | 43.6 | 51.8 | -8.2 | 7.0 | - | 39.6 | 47.8 | -8.2 |
| 10:50 PM - 10:55 PM | 42.8 | 51.8 | -9.0 | 7.0 | - | 38.8 | 47.8 | -9.0 |
| 10:55 PM - 11:00 PM | 43.3 | 51.8 | -8.5 | 7.0 | - | 39.3 | 47.8 | -8.5 |
| 11:00 PM - 11:05 PM | 43.3 | 51.8 | -8.5 | 7.0 | - | 39.3 | 47.8 | -8.5 |
| 11:05 PM - 11:10 PM | 44.0 | 51.8 | -7.8 | 7.0 | - | 40.0 | 47.8 | -7.8 |
| 11:10 PM - 11:15 PM | 43.7 | 51.8 | -8.1 | 7.0 | - | 39.7 | 47.8 | -8.1 |
| 11:15 PM - 11:20 PM | 44.8 | 51.8 | -7.0 | 7.0 | - | 40.8 | 47.8 | -7.0 |
| 11:20 PM - 11:25 PM | 46.4 | 51.8 | -5.4 | 7.0 | - | 42.4 | 47.8 | -5.4 |
| 11:25 PM - 11:30 PM | 43.2 | 51.8 | -8.6 | 7.0 | - | 39.2 | 47.8 | -8.6 |
| 11:30 PM - 11:35 PM | 43.9 | 51.8 | -7.9 | 7.0 | - | 39.9 | 47.8 | -7.9 |
| 11:35 PM - 11:40 PM | 44.9 | 51.8 | -6.9 | 7.0 | - | 40.9 | 47.8 | -6.9 |
| 11:40 PM - 11:45 PM | 44.1 | 51.8 | -7.7 | 7.0 | - | 40.1 | 47.8 | -7.7 |
| 11:45 PM - 11:50 PM | 47.1 | 51.8 | -4.7 | 7.0 | - | 43.1 | 47.8 | -4.7 |
| 11:50 PM - 11:55 PM | 47.3 | 51.8 | -4.5 | 7.0 | - | 43.3 | 47.8 | -4.5 |
| 11:55 PM - 12:00 AM | 59.6 | 51.8 | 7.8 | 0.5 | - | 62.1 | 47.8 | 14.3 |
| 12:00 AM - 12:05 AM | 63.6 | 51.8 | 11.8 | 0.5 | - | 66.1 | 47.8 | 18.3 |
| 12:05 AM - 12:10 AM | 51.3 | 51.8 | -0.5 | 7.0 | - | 47.3 | 47.8 | -0.5 |
| 12:10 AM - 12:15 AM | 53.1 | 51.8 | 1.3 | 7.0 | - | 49.1 | 47.8 | 1.3 |
| 12:15 AM - 12:20 AM | 55.5 | 51.8 | 3.7 | 2.0 | - | 56.5 | 47.8 | 8.7 |

The above results are valid only for the analytical method(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibab.
Wiborn Borik
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report

Client : Glow SPP 11 Co., Ltd.
60/19 Moo3, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-OM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

TESTING
No.0042
Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number: 2498749-1

Sample No. 22135531-28
Parameter เ็นดินปน
Location Moo 3 Mabyangpon (N2) (GPS 47P 0732339, 1437041)
Measurement Date Nov 11 - 12, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00509355

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่าง | ค่าปรับ | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงที่ฐาน | ค่าปรับการรบกวน |
|---------------------|---------------------|-----------------------|--------|---------|----------------------------|---------|-------------|-----------------|
| | | | | | ค่าจริง | ค่าปรับ | | |
| 03:40 AM - 03:45 AM | 52.2 | 51.8 | 0.4 | 7.0 | - | 48.2 | 47.8 | 0.4 |
| 03:45 AM - 03:50 AM | 49.7 | 51.8 | -2.1 | 7.0 | - | 45.7 | 47.8 | -2.1 |
| 03:50 AM - 03:55 AM | 48.1 | 51.8 | -3.7 | 7.0 | - | 44.1 | 47.8 | -3.7 |
| 03:55 AM - 04:00 AM | 51.6 | 51.8 | -0.2 | 7.0 | - | 47.6 | 47.8 | -0.2 |
| 04:00 AM - 04:05 AM | 51.8 | 51.8 | 0.0 | 7.0 | - | 47.8 | 47.8 | 0.0 |
| 04:05 AM - 04:10 AM | 49.4 | 51.8 | -2.4 | 7.0 | - | 45.4 | 47.8 | -2.4 |
| 04:10 AM - 04:15 AM | 52.2 | 51.8 | 0.4 | 7.0 | - | 48.2 | 47.8 | 0.4 |
| 04:15 AM - 04:20 AM | 49.7 | 51.8 | -2.1 | 7.0 | - | 45.7 | 47.8 | -2.1 |
| 04:20 AM - 04:25 AM | 50.1 | 51.8 | -1.7 | 7.0 | - | 46.1 | 47.8 | -1.7 |
| 04:25 AM - 04:30 AM | 51.3 | 51.8 | -0.5 | 7.0 | - | 47.3 | 47.8 | -0.5 |
| 04:30 AM - 04:35 AM | 50.0 | 51.8 | -1.8 | 7.0 | - | 46.0 | 47.8 | -1.8 |
| 04:35 AM - 04:40 AM | 50.4 | 51.8 | -1.4 | 7.0 | - | 46.4 | 47.8 | -1.4 |
| 04:40 AM - 04:45 AM | 49.7 | 51.8 | -2.1 | 7.0 | - | 45.7 | 47.8 | -2.1 |
| 04:45 AM - 04:50 AM | 46.9 | 51.8 | -4.9 | 7.0 | - | 42.9 | 47.8 | -4.9 |
| 04:50 AM - 04:55 AM | 48.4 | 51.8 | -3.4 | 7.0 | - | 44.4 | 47.8 | -3.4 |
| 04:55 AM - 05:00 AM | 51.1 | 51.8 | -0.7 | 7.0 | - | 47.1 | 47.8 | -0.7 |
| 05:00 AM - 05:05 AM | 55.0 | 51.8 | 3.2 | 3.0 | - | 55.0 | 47.8 | 7.2 |
| 05:05 AM - 05:10 AM | 51.3 | 51.8 | -0.5 | 7.0 | - | 47.3 | 47.8 | -0.5 |
| 05:10 AM - 05:15 AM | 53.7 | 51.8 | 1.9 | 7.0 | - | 49.2 | 47.8 | 1.4 |
| 05:15 AM - 05:20 AM | 49.1 | 51.8 | -2.7 | 7.0 | - | 45.1 | 47.8 | -2.7 |
| 05:20 AM - 05:25 AM | 48.4 | 51.8 | -3.4 | 7.0 | - | 44.4 | 47.8 | -3.4 |
| 05:25 AM - 05:30 AM | 48.0 | 51.8 | -3.8 | 7.0 | - | 44.0 | 47.8 | -3.8 |
| 05:30 AM - 05:35 AM | 47.1 | 51.8 | -4.7 | 7.0 | - | 43.1 | 47.8 | -4.7 |
| 05:35 AM - 05:40 AM | 50.3 | 51.8 | -1.5 | 7.0 | - | 46.3 | 47.8 | -1.5 |
| 05:40 AM - 05:45 AM | 53.2 | 51.8 | 1.4 | 7.0 | - | 49.2 | 47.8 | 1.4 |
| 05:45 AM - 05:50 AM | 52.9 | 51.8 | 1.1 | 7.0 | - | 48.9 | 47.8 | 1.1 |
| 05:50 AM - 05:55 AM | 56.0 | 51.8 | 4.2 | 2.0 | - | 56.0 | 47.8 | 8.2 |
| 05:55 AM - 06:00 AM | 54.0 | 51.8 | 2.2 | 4.5 | - | 52.5 | 47.8 | 4.7 |
| 06:00 AM - 07:00 AM | 51.3 | 57.6 | -6.3 | 7.0 | 44.3 | - | 47.5 | -3.2 |
| 07:00 AM - 08:00 AM | 51.4 | 57.6 | -6.2 | 7.0 | 44.1 | - | 47.5 | -3.1 |
| 08:00 AM - 09:00 AM | 50.0 | 57.6 | -7.6 | 7.0 | 43.0 | - | 47.5 | -4.5 |
| 09:00 AM - 10:00 AM | 49.6 | 57.6 | -8.0 | 7.0 | 42.6 | - | 47.5 | -4.9 |



Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 5, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-DM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498750-1

Page 2 of 3

Sample No. 22135531-29
Parameter เลื่อนฐาน
Location Moo 3 Mabyangpoom (N2) (GPS 47P 0732339, 1437041)
Measurement Date Nov 13 - 14, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00509355

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------|------------|----------------------------|---------|--------------|------------------|
| | | | ผลต่าง | ตัวปรับค่า | กลางคืน | กลางวัน | | |
| 03:40 AM - 03:45 AM | 50.3 | 51.8 | -1.5 | 7.0 | - | 46.3 | 47.8 | -1.5 |
| 03:45 AM - 03:50 AM | 47.6 | 51.8 | -4.2 | 7.0 | - | 43.6 | 47.8 | -4.2 |
| 03:50 AM - 03:55 AM | 46.1 | 51.8 | -5.7 | 7.0 | - | 41.1 | 47.8 | -6.7 |
| 03:55 AM - 04:00 AM | 52.8 | 51.8 | 1.0 | 7.0 | - | 48.8 | 47.8 | 1.0 |
| 04:00 AM - 04:05 AM | 49.6 | 51.8 | -2.2 | 7.0 | - | 45.6 | 47.8 | -2.2 |
| 04:05 AM - 04:10 AM | 49.2 | 51.8 | -2.6 | 7.0 | - | 45.2 | 47.8 | -2.6 |
| 04:10 AM - 04:15 AM | 49.0 | 51.8 | -2.8 | 7.0 | - | 45.0 | 47.8 | -2.8 |
| 04:15 AM - 04:20 AM | 51.8 | 51.8 | 0.0 | 7.0 | - | 47.8 | 47.8 | 0.0 |
| 04:20 AM - 04:25 AM | 52.7 | 51.8 | 0.9 | 7.0 | - | 48.7 | 47.8 | 0.9 |
| 04:25 AM - 04:30 AM | 51.7 | 51.8 | -0.1 | 7.0 | - | 47.7 | 47.8 | -0.1 |
| 04:30 AM - 04:35 AM | 46.5 | 51.8 | -5.3 | 7.0 | - | 42.5 | 47.8 | -5.3 |
| 04:35 AM - 04:40 AM | 48.3 | 51.8 | -3.5 | 7.0 | - | 44.3 | 47.8 | -3.5 |
| 04:40 AM - 04:45 AM | 53.5 | 51.8 | 1.7 | 4.5 | - | 52.0 | 47.8 | 4.2 |
| 04:45 AM - 04:50 AM | 52.5 | 51.8 | 0.7 | 7.0 | - | 48.5 | 47.8 | 0.7 |
| 04:50 AM - 04:55 AM | 50.4 | 51.8 | -1.4 | 7.0 | - | 46.0 | 47.8 | -1.4 |
| 04:55 AM - 05:00 AM | 47.3 | 51.8 | -4.5 | 7.0 | - | 43.3 | 47.8 | -4.5 |
| 05:00 AM - 05:05 AM | 52.6 | 51.8 | 0.8 | 7.0 | - | 48.6 | 47.8 | 0.8 |
| 05:05 AM - 05:10 AM | 54.0 | 51.8 | 2.2 | 4.5 | - | 52.5 | 47.8 | 4.7 |
| 05:10 AM - 05:15 AM | 53.5 | 51.8 | 1.7 | 4.5 | - | 52.0 | 47.8 | 4.2 |
| 05:15 AM - 05:20 AM | 51.0 | 51.8 | -0.8 | 7.0 | - | 47.0 | 47.8 | -0.8 |
| 05:20 AM - 05:25 AM | 48.5 | 51.8 | -3.3 | 7.0 | - | 44.5 | 47.8 | -3.3 |
| 05:25 AM - 05:30 AM | 48.3 | 51.8 | -3.5 | 7.0 | - | 44.3 | 47.8 | -3.5 |
| 05:30 AM - 05:35 AM | 49.2 | 51.8 | -2.6 | 7.0 | - | 45.2 | 47.8 | -2.6 |
| 05:35 AM - 05:40 AM | 53.0 | 51.8 | 1.2 | 7.0 | - | 49.0 | 47.8 | 1.2 |
| 05:40 AM - 05:45 AM | 50.5 | 51.8 | -1.3 | 7.0 | - | 46.5 | 47.8 | -1.3 |
| 05:45 AM - 05:50 AM | 49.3 | 51.8 | -2.5 | 7.0 | - | 45.3 | 47.8 | -2.5 |
| 05:50 AM - 05:55 AM | 51.6 | 51.8 | -0.2 | 7.0 | - | 47.6 | 47.8 | -0.2 |
| 05:55 AM - 06:00 AM | 51.8 | 51.8 | 0.0 | 7.0 | - | 47.8 | 47.8 | 0.0 |
| 06:00 AM - 07:00 AM | 53.6 | 57.6 | -4.0 | 7.0 | 46.6 | - | 47.5 | -0.9 |
| 07:00 AM - 08:00 AM | 52.4 | 57.6 | -5.2 | 7.0 | 45.4 | - | 47.5 | -2.1 |
| 08:00 AM - 09:00 AM | 49.4 | 57.6 | -8.2 | 7.0 | 41.8 | - | 47.5 | -8.1 |
| 09:00 AM - 10:00 AM | 50.0 | 57.6 | -7.6 | 7.0 | 43.0 | - | 47.5 | -7.5 |

Reference Method : Based on ISO 1996-1 and ISO 1996-2

หมายเหตุ

1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เสียจากอุปกรณ์การโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวนและระดับเสียงที่เสียจากอุปกรณ์การโรงงาน พ.ศ. 2553
3. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดมาตรฐานและวิธีการประเมินผลกระทบจากเสียงที่เกินกว่าที่กำหนดไว้ในมาตรฐานอุตสาหกรรม พ.ศ. 2561

ระดับเสียงขณะรบกวนไม่มีการรบกวน (ข้อมูลหาจากงานตรวจวัดเสียงขณะรบกวนเสียง (EIA) พ.ศ. 2557 วันที่ตรวจวัด 27 พฤษภาคม 01 มิถุนายน 2557)

Approved by

Wibab.

Wiwann Borrik
Assistant Manager

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ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand : PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 5, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-DM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498751-1

Page 2 of 3

Sample No. 22135531-30
Parameter เลื่อนฐาน
Location Moo 3 Mabyangpoom (N2) (GPS 47P 0732339, 1437041)
Measurement Date Nov 13 - 14, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00509355

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ระดับเสียง | | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------|------------|----------------------------|---------|--------------|------------------|
| | | | ผลต่าง | ตัวปรับค่า | กลางคืน | กลางวัน | | |
| 12:20 AM - 12:25 AM | 51.0 | 51.8 | -0.8 | 7.0 | - | 47.0 | 47.8 | -0.8 |
| 12:25 AM - 12:30 AM | 50.7 | 51.8 | -1.1 | 7.0 | - | 46.7 | 47.8 | -1.1 |
| 12:30 AM - 12:35 AM | 51.3 | 51.8 | -0.5 | 7.0 | - | 47.3 | 47.8 | -0.5 |
| 12:35 AM - 12:40 AM | 49.8 | 51.8 | -2.0 | 7.0 | - | 45.8 | 47.8 | -2.0 |
| 12:40 AM - 12:45 AM | 52.2 | 51.8 | 0.4 | 7.0 | - | 48.2 | 47.8 | 0.4 |
| 12:45 AM - 12:50 AM | 53.0 | 51.8 | 1.2 | 7.0 | - | 49.0 | 47.8 | 1.2 |
| 12:50 AM - 12:55 AM | 53.5 | 51.8 | 1.7 | 4.5 | - | 52.0 | 47.8 | 4.2 |
| 12:55 AM - 01:00 AM | 53.9 | 51.8 | 2.1 | 4.5 | - | 52.4 | 47.8 | 4.6 |
| 01:00 AM - 01:05 AM | 51.9 | 51.8 | 0.1 | 7.0 | - | 47.9 | 47.8 | 0.1 |
| 01:05 AM - 01:10 AM | 52.0 | 51.8 | 0.2 | 7.0 | - | 48.0 | 47.8 | 0.2 |
| 01:10 AM - 01:15 AM | 50.2 | 51.8 | -1.6 | 7.0 | - | 46.2 | 47.8 | -1.6 |
| 01:15 AM - 01:20 AM | 54.1 | 51.8 | 2.3 | 4.5 | - | 52.6 | 47.8 | 4.8 |
| 01:20 AM - 01:25 AM | 52.7 | 51.8 | 0.9 | 7.0 | - | 48.7 | 47.8 | 0.9 |
| 01:25 AM - 01:30 AM | 51.1 | 51.8 | -0.7 | 7.0 | - | 47.1 | 47.8 | -0.7 |
| 01:30 AM - 01:35 AM | 51.2 | 51.8 | -0.6 | 7.0 | - | 47.2 | 47.8 | -0.6 |
| 01:35 AM - 01:40 AM | 53.6 | 51.8 | 1.8 | 4.5 | - | 52.1 | 47.8 | 4.3 |
| 01:40 AM - 01:45 AM | 52.0 | 51.8 | 0.2 | 7.0 | - | 48.0 | 47.8 | 0.2 |
| 01:45 AM - 01:50 AM | 52.9 | 51.8 | 1.1 | 7.0 | - | 48.9 | 47.8 | 1.1 |
| 01:50 AM - 01:55 AM | 52.8 | 51.8 | 1.0 | 7.0 | - | 48.8 | 47.8 | 1.0 |
| 01:55 AM - 02:00 AM | 50.7 | 51.8 | -1.1 | 7.0 | - | 46.7 | 47.8 | -1.1 |
| 02:00 AM - 02:05 AM | 51.5 | 51.8 | -0.3 | 7.0 | - | 47.5 | 47.8 | -0.3 |
| 02:05 AM - 02:10 AM | 53.5 | 51.8 | 1.7 | 7.0 | - | 49.5 | 47.8 | 1.7 |
| 02:10 AM - 02:15 AM | 51.8 | 51.8 | 0.0 | 7.0 | - | 47.8 | 47.8 | 0.0 |
| 02:15 AM - 02:20 AM | 49.1 | 51.8 | -2.7 | 7.0 | - | 45.1 | 47.8 | -2.7 |
| 02:20 AM - 02:25 AM | 50.2 | 51.8 | -1.6 | 7.0 | - | 46.2 | 47.8 | -1.6 |
| 02:25 AM - 02:30 AM | 53.8 | 51.8 | 2.0 | 4.5 | - | 52.3 | 47.8 | 4.5 |
| 02:30 AM - 02:35 AM | 50.5 | 51.8 | -1.3 | 7.0 | - | 46.5 | 47.8 | -1.3 |
| 02:35 AM - 02:40 AM | 50.6 | 51.8 | -1.2 | 7.0 | - | 46.6 | 47.8 | -1.2 |
| 02:40 AM - 02:45 AM | 51.5 | 51.8 | -0.3 | 7.0 | - | 47.5 | 47.8 | -0.3 |
| 02:45 AM - 02:50 AM | 54.1 | 51.8 | 2.3 | 4.5 | - | 52.6 | 47.8 | 4.8 |
| 02:50 AM - 02:55 AM | 53.3 | 51.8 | 1.5 | 4.5 | - | 51.8 | 47.8 | 4.0 |
| 02:55 AM - 03:00 AM | 53.0 | 51.8 | 1.2 | 7.0 | - | 49.0 | 47.8 | 1.2 |
| 03:00 AM - 03:05 AM | 52.0 | 51.8 | 0.2 | 7.0 | - | 48.0 | 47.8 | 0.2 |
| 03:05 AM - 03:10 AM | 50.4 | 51.8 | -1.4 | 7.0 | - | 46.4 | 47.8 | -1.4 |
| 03:10 AM - 03:15 AM | 50.4 | 51.8 | -1.4 | 7.0 | - | 46.4 | 47.8 | -1.4 |
| 03:15 AM - 03:20 AM | 51.3 | 51.8 | -0.5 | 7.0 | - | 47.3 | 47.8 | -0.5 |
| 03:20 AM - 03:25 AM | 48.8 | 51.8 | -3.0 | 7.0 | - | 44.8 | 47.8 | -3.0 |
| 03:25 AM - 03:30 AM | 51.4 | 51.8 | -0.4 | 7.0 | - | 47.4 | 47.8 | -0.4 |
| 03:30 AM - 03:35 AM | 49.9 | 51.8 | -1.9 | 7.0 | - | 45.9 | 47.8 | -1.9 |
| 03:35 AM - 03:40 AM | 50.5 | 51.8 | -1.3 | 7.0 | - | 46.5 | 47.8 | -1.3 |

Approved by

Wibab.

Wiwann Borrik
Assistant Manager

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Analysis / Test Report



TESTING
No.0042

Client : Glow SPP 11 Co., Ltd.
60/19 Moo 5, Siam Eastern Industrial Park, T. Mapyangphon, A. Pluakdaeng, Rayong
Thailand 21140
P/O : GLOW-DM-22-103
Project Name :
Project Location : Glow SPP11_Plant 1

Lot ID: 22135531
Date Received: Nov 14, 2022
Date Reported: Dec 09, 2022
Report Number : 2498751-1

Page 1 of 3

Sample No. 22135531-30
Parameter เลื่อนฐาน
Location Moo 3 Mabyangpoom (N2) (GPS 47P 0732339, 1437041)
Measurement Date Nov 13 - 14, 2021
Measurement by Ronnachai Moungma
Sound Level Meter 00509355

| เวลา | เสียงจากแหล่งกำเนิด | เสียงขณะไม่มีการรบกวน | ผลต่างระดับเสียง | ค่าปรับค่า | ปรับค่าเสียงจากแหล่งกำเนิด | | เสียงพื้นฐาน | ค่าระดับการรบกวน |
|---------------------|---------------------|-----------------------|------------------|------------|----------------------------|---------|--------------|------------------|
| | | | | | กลางคืน | กลางวัน | | |
| 10:00 AM - 11:00 AM | 50.0 | 57.6 | -7.6 | 7.0 | 43.0 | - | 47.5 | -4.5 |
| 11:00 AM - 12:00 PM | 50.5 | 57.6 | -7.1 | 7.0 | 43.5 | - | 47.5 | -4.0 |
| 12:00 PM - 01:00 PM | 51.0 | 57.6 | -6.6 | 7.0 | 44.0 | - | 47.5 | -3.5 |
| 01:00 PM - 02:00 PM | 51.9 | 57.6 | -5.7 | 7.0 | 44.9 | - | 47.5 | -2.6 |
| 02:00 PM - 03:00 PM | 49.0 | 57.6 | -8.6 | 7.0 | 42.0 | - | 47.5 | -5.5 |
| 03:00 PM - 04:00 PM | 47.8 | 57.6 | -9.8 | 7.0 | 40.8 | - | 47.5 | -6.7 |
| 04:00 PM - 05:00 PM | 46.2 | 57.6 | -11.4 | 7.0 | 39.2 | - | 47.5 | -8.3 |
| 05:00 PM - 06:00 PM | 46.9 | 57.6 | -10.7 | 7.0 | 39.9 | - | 47.5 | -7.6 |
| 06:00 PM - 07:00 PM | 44.7 | 57.6 | -12.9 | 7.0 | 37.7 | - | 47.5 | -9.8 |
| 07:00 PM - 08:00 PM | 45.5 | 57.6 | -12.1 | 7.0 | 38.5 | - | 47.5 | -9.0 |
| 08:00 PM - 09:00 PM | 43.4 | 57.6 | -14.2 | 7.0 | 36.4 | - | 47.5 | -11.1 |
| 09:00 PM - 10:00 PM | 43.3 | 57.6 | -14.3 | 7.0 | 36.3 | - | 47.5 | -11.2 |
| 10:00 PM - 10:05 PM | 42.9 | 51.8 | -8.9 | 7.0 | - | 38.9 | 47.8 | -8.9 |
| 10:05 PM - 10:10 PM | 43.0 | 51.8 | -8.8 | 7.0 | - | 39.0 | 47.8 | -8.8 |
| 10:10 PM - 10:15 PM | 43.9 | 51.8 | -7.9 | 7.0 | - | 39.9 | 47.8 | -7.9 |
| 10:15 PM - 10:20 PM | 43.7 | 51.8 | -8.1 | 7.0 | - | 39.7 | 47.8 | -8.1 |
| 10:20 PM - 10:25 PM | 41.2 | 51.8 | -10.6 | 7.0 | - | 37.2 | 47.8 | -10.6 |
| 10:25 PM - 10:30 PM | 42.0 | 51.8 | -9.8 | 7.0 | - | 38.0 | 47.8 | -9.8 |
| 10:30 PM - 10:35 PM | 43.3 | 51.8 | -8.5 | 7.0 | - | 39.3 | 47.8 | -8.5 |
| 10:35 PM - 10:40 PM | 43.7 | 51.8 | -8.1 | 7.0 | - | 39.7 | 47.8 | -8.1 |
| 10:40 PM - 10:45 PM | 44.7 | 51.8 | -7.1 | 7.0 | - | 40.7 | 47.8 | -7.1 |
| 10:45 PM - 10:50 PM | 44.1 | 51.8 | -7.7 | 7.0 | - | 40.1 | 47.8 | -7.7 |
| 10:50 PM - 10:55 PM | 43.5 | 51.8 | -8.3 | 7.0 | - | 39.5 | 47.8 | -8.3 |
| 10:55 PM - 11:00 PM | 45.5 | 51.8 | -6.3 | 7.0 | - | 41.5 | 47.8 | -6.3 |
| 11:00 PM - 11:05 PM | 41.6 | 51.8 | -10.2 | 7.0 | - | 37.6 | 47.8 | -10.2 |
| 11:05 PM - 11:10 PM | 45.3 | 51.8 | -6.5 | 7.0 | - | 41.3 | 47.8 | -6.5 |
| 11:10 PM - 11:15 PM | 43.5 | 51.8 | -8.3 | 7.0 | - | 39.5 | 47.8 | -8.3 |
| 11:15 PM - 11:20 PM | 42.4 | 51.8 | -9.4 | 7.0 | - | 38.4 | 47.8 | -9.4 |
| 11:20 PM - 11:25 PM | 42.4 | 51.8 | -9.4 | 7.0 | - | 38.4 | 47.8 | -9.4 |
| 11:25 PM - 11:30 PM | 41.9 | 51.8 | -9.9 | 7.0 | - | 37.9 | 47.8 | -9.9 |
| 11:30 PM - 11:35 PM | 42.6 | 51.8 | -9.2 | 7.0 | - | 38.6 | 47.8 | -9.2 |
| 11:35 PM - 11:40 PM | 44.4 | 51.8 | -7.4 | 7.0 | - | 40.4 | 47.8 | -7.4 |
| 11:40 PM - 11:45 PM | 44.2 | 51.8 | -7.6 | 7.0 | - | 40.2 | 47.8 | -7.6 |
| 11:45 PM - 11:50 PM | 46.6 | 51.8 | -3.2 | 7.0 | - | 44.6 | 47.8 | -3.2 |
| 11:50 PM - 11:55 PM | 47.1 | 51.8 | -2.1 | 7.0 | - | 45.1 | 47.8 | -2.1 |
| 11:55 PM - 12:00 AM | 46.7 | 51.8 | -1.1 | 7.0 | - | 46.7 | 47.8 | -1.1 |
| 12:00 AM - 12:05 AM | 50.8 | 51.8 | -2.0 | 7.0 | - | 45.8 | 47.8 | -2.0 |
| 12:05 AM - 12:10 AM | 51.6 | 51.8 | -0.2 | 7.0 | - | 47.6 | 47.8 | -0.2 |
| 12:10 AM - 12:15 AM | 48.6 | 51.8 | -3.4 | 7.0 | - | 44.6 | 47.8 | -3.4 |
| 12:15 AM - 12:20 AM | 50.6 | 51.8 | -1.2 | 7.0 | - | 46.6 | 47.8 | -1.2 |